FINANCIAL TIMES

No. 26,169

Monday September 24 1973





EWS SUMMARY

Deodorant · Talc etc.

im 'safe'

ice doniai

nke of Wellington.

o-active

k danger

rs rebuked

yıls return

ably Peron

red

BUSINESS

ir Alec Deadline xplains set for hile monetary reform ecision

meeting in Nairobi decided yes-terday to make next July 31 then a's decision to recognise dendine for agreement on the tely justified. Sir Alee monetary system. is Home, the Foreign Mr. George Shultz, U.S. Trea-ary, declared yesterday, sury Secretary, said later that in Chile fully agreed in decision by the IMF Com-mittee of Twenty showed that some progress had been made. N. said: "We have very MFFROPOLITAN Procedure."

Alec, who was leaving for N, said: "We have very nicrests in Chile, so there by strong practical reasons of ing, the local radio group headed by Sir John Hunter, chairman of Recognition did not Recognition

antiago, the new regime proved slightly in September but remains fairly low, according to plans to return to free. 10 plans to return to free Page 12 olitics for the foreseeable

• FABIAN SOCIETY pamphlet suggests that the countries of

nappers in Buenos Aires FRANCE had as intention of avid Heywood, 37, British devaluing. M. Pierre Messmer, and for Noblem, the the Prime Minister, said in a smiliate of British Sarrebourg yesterny. "It is not a Tobacco, reported he the fault of the French currency, and well, the company if others indulge in speculation."

Landon. A ransom of was paid in April to the rxist group of kidnappers RCA may safe return of the president. Page 6 take over Uriel Foods

ham Palace dismissed as • ORIEL FOODS, the group run speculation" a Sunday er story that the engageedited foods, the group run industry leaders may meet the imminence of the phase three Confederation will be successful.

The Prime Minister stressed at The Prime Minister stressed at With most of the broad outbis last meeting with the CBI what could well prove a final With most of the broad outbis last meeting with the CBI bis last meeting with the CBI will be at least as strict in the prime Minister to-morrow in document.

Wr. Howard Thomas is to taken over by RCA Corporation will be successful.

Wr. Howard Thomas will be at least as strict in the properties of the broad outbis last meeting with the CBI will be at least as strict in the properties of the broad outbis last meeting with the CBI will be at least as strict in take over as chairman of Thomas expected until early November. Its anti-inflation policy.

Wr. Howard Thomas will field a full team of representation of the profit margin quording the profit margin quordin e Churies and Lady Jame 22-year-old daughter

• TANKER charter rates last *K danger week remained very high and the last CBI-Government meeting Michael Claphum, the Confederation of dropping at 10, Downing Street on Thesday tion's president, and by Mr. ment and the CBI and again it was said that further discuss.

tisiners of radioactive Page 29 might be washed ashore • THE National Union of sh, Devon or Cornish Teachers is seeking an early illowing the sinking of meeting with the Prime Minister ow Bay, an Irish coaster, following the recent Pay Board prokeshire. The six con-report on anomalies which the prokeshire. The six con-report vere deck-cargo, labelled union claums is us," and were being responsible for a threatened in Arklow. Co. Wicklow, breakdown of education services She crew of the Arklow in London.

in picked up and landed Page 27 . WORLD STEEL producers expect the boom to continue at least until the second quarter of next year. Shortages are cue teams saved seven being experienced in almost all he had been trapped for the main markets. Page 6 and editorial comment, Page 18 s in a remote pothole assington in the York-

s, complaint was made cotholers that they had tone of their proposed aunderground. Two more Platinum one of them badly

were rescued by fellow dearer ANOTHER rise in the price of platinum and other "noble" metals is likely following the tin brought fresh flood move by Engelhard Minerals to outh-east England with raise its U.S. prices—on which up to a foot reported, world market quotations are tent. Over an inch of based—by SS an ounce to a range erday brought the total of \$158-\$163. hes in 48 hours. All Page 12

Workings were recalled A LEAFLET campaign by the will be held in London on Thursday calling for public support for speedy wage negotiations aimed at easing the staff short-Juan Domingo Peron. ar-old former dictator of ages of London Transport.

turned as President in elections yesterday, 18 🤌 NATIONAL Savings liminary returns for August show not receipts of £24.8m. compared with £47.8m. in the Fer he was toppled from a military coup. same month last year. Members of the National Savings Commitcalled to investigate tee arc, according to their 2100 at the Conserva- thairman, "perturbed by the Newark Notis, found effects of unprecedented condiif notes to the basket tions in the fixed interest lindy, the club's aisutian security market."

The rest of the Page 27 as under her blanket.

THE IRISH Tourist Board, en-

The rest of the Page 27

as under her blanket.

The rest of the Page 27

which should enable Chrysler to taken advantage of the fact that company had honoured every that the Coventry plant the Coventry electricians would, one of these undertakings, next week, has bowever made no in normal erromstances, be on including investment development. But to outline to union officials to-day that this week there is technically no opportunity for Meanwhile, labour disputes that it might cut back on its labour in Coventry in Coventry electricians have A Chrysler spokesman said the taken advantage of the fact that company had honoured every that the Coventry electricians would, one of these undertakings, next week, has bowever made no in normal erromstances, be on including investment development. But for the future "it all the electricians have A Chrysler spokesman said the difference to Chrysler's intention holiday this week. The electricians have a company had honoured every that the coventry electricians would.

The resumption at Linwood, for a week, the electricians have a Chrysler spokesman said the company had honoured every that the coventry electricians would.

The electricians have a Chrysler spokesman said the company had honoured every made no including investment development. But the future "it all the electricians have a company had honoured every made no including investment development. But the future "it all the electricians have a company had honoured every made no including investment development. But the future "it all the electricians have a company had honoured every made no including investment development. But the future it all the coventry electricians would.

The electricians have a company had honoured every made no including investment development. But the future it is the future in the fut spend spend

Phase Three plans move into final stages this week

BY RICHARD EVANS, LOBBY CORRESPONDENT

The Government's preparations for Phase Three of its counter-initation policy move into their final stages this week, following a meeting called by the Prime Minister of his senior economic Ministers and advisers at Chequers resulted in a drop in the index, indications from within the building society investors do not it and is a more up-to-date baro-moved and is a more up-to-date baro-moved and is a more up-to-date baro-moved and its and it is a drop in the index. Indications from which was followed the circumstance of next months and it is The Government's preparations for Phase Three of its counter-inflation yesterday. The proposals are due to come into effect on November 1.

No final decisions were taken package options—which Minis—restrictions to prevent abuse, but at the meeting, because of the ters now privately accept will would be a popular measure with forthcoming consultations this have to be introduced without many Conservative MPs.

week with the TUC, and prob—union agreement—are believed ably with the Confederation of to be:

Spriish Industry

British Industry.

Instead, discussion centred on the options that will have to be increase limit of fi plus 4 per level in the cost of living.

Tails to win agreement with the cash sum, plus a percentage.

The percentage increase in the current automatic pay increases to complete the options that will have to be increase limit of fi plus 4 per level in the cost of living.

The percentage increase increase increase of equal pay for women of equal pay for women.

cussions about the parameter of Government anxiety to present a socially just formula that anti-inflation proposals they consider essential after Phase Two comparatively more than the

Following the meetings, specific decisions are likely to be taken by the Government next week-end prior to the publication of the proposals in a document on or near October 5.

suggests that the countries or Narth-West Europe should establish a regional authority for their scas. responsible for fishing pollution, oil drilling and the regulation of shipping.

Peyton

A SECOND attempt to persuade the Government to make great development and cities, are necessary area is to be made by the North with minister payled a special development functal pall of asphalt, youn Minister at Transport, who is needed to ensure that workers due to retire this year on pendication that no firm decisions

suggests that the countries or Narth-West Europe should establish a regional authority for their should establish a regional authority for the International in pay rises of £250 is unlikely in pay rises of £250 is unlikely to be met.

Similarly, the CBI request for the aboution of the upper limit on pay rises of £250 is unlikely to allow employers flow that in pay rises of £250 is unlikely to allow employers and low employers and low distribute more money to cope with restructuring difficulties.

Payment of compensatory and Lord Carrington.

3—Payment of compensatory increases to some L2m.

4—Payment of compensatory and Lord Carrington.

5—Payment of compensatory increases to some L2m.

6—Free Social action for the Exchequer, is in opportant to distrib

BY DAVID WALKER

was said that further discus-

Upper limit

Similarly, the CB1 request for

CBI may meet Heath on

profit margins to-morrow

Despite this week's consultations. Ittile time remains for bridging the considerable gap between the Government and the TUC. There is no sign the true is no sign the true is no sign the bread and canned foods. For the movement, but the worst the true is no sign the bread and canned foods. For the movement, but the worst the normal 20 or 25 years. In many cases, of course, mortcages do extend for 30 or weeks and the pattern apparent then seems to have continued throughout September so far.

Thomas to the normal 20 or 25 years. In many cases, of course, mortcages do extend for 30 or weeks and the pattern apparent then seems to have continued throughout September so far. Government handling of the situation came under heavy attack from Mr. Harold Wilson, Leader of the Opposition, ut the week-end.

After the meeting of economic Ministers. Mr. Heath invited

is needed to ensure that workers due to retire this year on pensions hit by the pay standstill will not lose out.

Another strong other workers were broken.

Whitelaw is expected to call other workers were broken.

Whitelaw is expected to call indication that no firm decisions A—Provision for productivity together the three Northern bargaining. That would Ireland party leaders interested will not lose out.

The basic elements of the clearly be subject to rigorous in power-sharing.

eggs push food index BY ELINOR GOODMAN

Meat and

ash sum, plus a percentage.

of equal pay for women shops in the shape of dearer eggs inflow was less than £80m., or period.

The percentage increase alone which comes into full effect at and poultry. Frozen food prices little more than a third of the Only two major societies, the also moved up following Price July figure.

Despite this week's consultational payroval, but most with holidaymakers withdraw have in the past made a practice.

be Thames chairman

BY ARTHUR SANDLES



CONFEDERATION of British especially in view of the It seems doubtful that the ladustry leaders may meet the imminence of the Phase Three Confederation will be successful.

The Prime Minister stressed at the California of the Prime Minister stressed at the California of the Prime Minister stressed at the California of No date for the talks has yet sentatives at the meeting, as in over the profit margin question. Lurd Shaweruss retires. Thomas is currently managing director of Thomes and his sucment and the CBI and again dessor will be appointed later. Mr. Thomas, a journalist who sions would come this week.
Because of the Prime Minister's engagements later—including his talks with union leaders about phase. There on Thursday—phase Three on Thursday—present Price Code clauses relationariom looks the most likely profit margin control.

Although there has been some campbell Adamson, its Director with the TCC are expected to be the last before the Green Paper document is published, the possibility of a tripartite meeting with representatives of all three bodies present has not been ruled out.

The CBI leadership, which has the British does, however, appear the Green Paper document is published, the possibility of a tripartite meeting with representatives of all three bodies present has not been ruled out.

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The CBI leadership with a later turned to radio and television possibility of a tripartite meeting with representatives of all three bodies present has not been ruled out.

The CBI leadership with the British commercial television three bodies present has not been ruled out.

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The CBI leadership with a later turned to radio and television possibility of a tripartite meeting with representatives of all the later turned to radio and television possibility of a tripartite meeting with representatives of all the later turned to radio and television possibility of a tripar Campbell Adamson, its Director with the TUC are expected to later turned to radio and tele-

Mortgages: cash inflow still slow

RISING MEAT, egg, and frozen food prices pushed the Financial societies this month could again and greed from the tides of a Times grocery prices index up by be below the £80m, mark, as in monetary free market.

2.8 points in the five weeks to September 18.

This follows two months in marks pegging of bank deposit is how Labour will approach the

mover of grocery prices than the ment's action, which was followed the start of next month, and it is Government index published on three days later by the Building unclear wheiber present and Friday, which shows a very small Societies Association recomponent in August.

The FT index underlines the mortgage and investors interest announcement of their coming seasonal nature of the drop in rates should be raised again, bas introduction.

The official index and reflects the So far had little effect on the impact of recent animal food-flow of funds.

bers at Nottingham.

Housing finance had to be separated from the "day-to-day lostling and bustling of a monetary system which, because of Government policy, has got completely out of hand," he declared.

Woolwice Equitable has 180 decided to advance 35-years loans in some circumstances.
Some study of the possibility of making 40-year loans available to first-time buyers is also going on within the movement, although the odds seem to be declared. bers at Nottingham.

stuff prices rises approved by the Atthough no final August the traditional martgage structure. Price Commission.

These are now evident in the it is known that the total net lengthering the repayment the repayment

week-end.

Housing finance should be tackled as a national operation with the Government taking national responsibility, he told a reception for Labour Party mem
Now, a number of sinance societies have chanced their policy to allow 35-year loans to borrowers under certain connected to the majors, the Woolwich Equitable has also decided to advance 35-years loans.

completely out of hand," he although the order seem to be declared.

"While young families work and scrape to save the deposit on a house costing thousands and repayment periods is one of to pay the mortgage interest on several topics—others include a it, the pampered favourites of form of stabilisation fund and this Government have had no difficulty in raising virtually limitless funds for land and property speculation.

"The finance of housing must talks here are including society become a national responsibility, representatives and discouraged.

See Les back par

OTHER PAGES

WORLD CHEMICALS NEW COMMODITY CENTRE Horse Trials Technical Page TV and Radio Weather Report ANNUAL STATEMENTS Abercom Investments
Charteres insurance
Consolidated Plantation F. S. Ratcime INTERIM STATEMENT PROSPECTUS.



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Chrysler reveals cost-saving plans to unions to-day BY JOHN WYLES AND CHRIS BAUR

CHRYSLER U.K. will reveal port workers, will be among ployees have been laid off. including redundancies and layoff Chrysler's cost-saving steps at wood will be part of a general
offs, as top union officials try to a meeting late to-day.

pave the way for peace moves
in the electricians' dispute which
halted all of the company's car the Amaignment Union of Mr. Wedgwood Benn's allegaproduction for the past two
Engineering Workers, will discussion on the Chrysler distons and Mr. Dute at a meeting of the EEPTU
in the electricians' dispute which
Hugh Scanton, president of executive to-norrow.

Mr. Wedgwood Benn's allegaproduction for the past two
Engineering Workers, will discussion on the Chrysler breaking its
cuss the possibilities of a TUC obligations to the British
convened meeting of all the Government came in a radio
Chrysler unions with Mr. Len interview pesterday.

Page 12

Chrysler's statement last week Chrysler to use "Nacking will continue to preoccupy other that it might cut back on its labour in Coventry—one of the guilder, DAF Motors living in London has living in London has curchinge on the prices of its burchinge on the prices of its butch-made cars.

The New Testament, died on Thames, aged 89

OCOMPAGNIE Francise desources, holding company for the Total oil group, is espected to have its shares quoted on the London Stock Exchange from MP CL, South Norfolkin Thursday, Page 25

AP Page 25

AP Page 25

AP Coventry Soft more than the General Properties of more than stand at the General Properties of more than stand at the General Properties of more than shallings.

Page 12 Shift mare forcess by North Properties of more than and general secretary of the trans
Region 12

Chrysler's statement last week Chrysler to use "Nacking will continue to preoccupy other that it might cut back on its labour in Coventry—one of the sate secretary of the globur in Coventry—one of the car companies. Ford Motor has stacked such spaces which spaced of the Sectats care of Motor has stacked such spaces which spaced of the Sectats to be seen whether, at the still of a colleague for trade and industry, as a here rejected by the Sectats to be seen whether, as a breach of "solemn and binding as their leaders also beam and production covers. Stilks by 140 men over the dispute state in the state in still and off accovery the sectation of the Coventry of the said that it had honoured all of if no solution to the Coventry. 2,000 British the undertakings given to the dispute is found in the meantine. Leviand workers at the Jaguar The return to production at the still laid off because of that supplies of parts, particularly at Advert Explorating Reading. Short and the strains of the supplies of parts, particularly at Advert Exploration and general secretary of the trans
APAGNIE Transcale of the company which Labour on the company which is not the company which is not the company that the meantin

to-day possible cost-saving steps, union leaders who will be told including redundancies and lay of Chrysler's cost-saving steps at wood will be part of a general offs, as top union officials try to a meeting late to-day.

clearly anxious that they should year unless profit margin ton- atlend, even if agreement on its take place as soon as possible, trois go and the Code is changed, taking place could be secured.

ing space by the return to work Murray, TUC general secretary. He said that when Chrysler to-day of 7,000 production Mr. Murray has attractly said sought to acquire its mapority workers at the Linwood plant in he would be available at any holding in Rootes in 1967 it gave time for such a meeting, but it an undertaking it would not act remains to be seen whether one to impair the company's home decision of the plant's 120 electricians to suspend for a week EPTU.

The surprise return to work at of eight undertakings given by Coventry electricians, whose pay Linwood, which became with the company. This was a pledge.

cars, worth about £25m. Agreeing to abandon their strike public.

The resumption at Linwood, for a week, the electricians have. A Cl

The latest development at Lir

their strike in support of the The surprise return to work at of eight undertakings given by Coventry electricians, whose pay Linwood, which began with yes, the company. This was a pledge dispute is at the centre of the terday's night shift, follows a not to take action which might personal sppeal to the plant's injure the company's relations. The present dispute has cost electricians by Mr. John Carty, with Government, labour, its Chrysler production of 23,000 the shop stewards' convener. In British shareholders, and the surprise to akknown their strike shareholders, and the

A Chrysler spokesman said the

Letters to the Editor

Analysis of cash flows

Sbareholders.

May I summarise the follow-

believe, in requiring more in- a vendor. (1) To fully justify the illu- formation in the profit and loss David Green strated figures in his letter, he appropriation as to how some Rhyd yr Harding, must give a reconciliation of the of the profits are to be used but Castle Morris, profit figure he quotes of £129.680 not to the extent of producing Nr. Haverfordicest, Panhs.

not made a case for the supply not really expect to the that agreement the purchaser pretty horrid.

of cash flow analysis to such directors so tightly to adhere shall be entitled to recover i. B. Branchury. expenditure incurred as a result Burkes Grove. to such a cash flow budget. expenditure incurred as a result Burkes Grove.

Professor Lawson is correct. I of it—with comparable cover for Resconsfield, Bucks.

would suggest that this would suffice to show how the cash flow has moved into and from the other assets which form the total business.

(5) Having said that, I suggest that it would serve little purpose to supply a proposed future cash flow using such terms as:

The purchaser may well have to pay considerable fees for the expression compulsorily survey and mortgage application.

The expression compulsorily

Use of

and expenditure once they have agreement between two concerns to the other assets which form the total business.

(5) Having said that, I suggest a proposed that it would serve little gest t

so good that after less than one decided to stop work?

vear the subject is being tried
in over 5 per cent. of all secontry or commerce in Leeds? How it engenders, to all road-users.

dary schools (representing some would the acute shortage of A. F. Lilley.

Very schools (representing some would the acute shortage of A. F. Lilley. 250,000 pupils). The results have labour affect the wage and salary Kingsdown Park House, been surprising and show rather levels of the employees remain. Tankerton, Whitstable, Kent. embarrassing differences between ing?

We are currently obtaining we information and his-

Lest of EEC

| August | Complex | Co

It is a fact that the number democratically governed country so many rational people reliable. No one known of women employed full time, surely an experimental period experience less than affection for both before and after marriage, without limits should long since our political organisation.

Only alarm could be inspired seas markets. The Ba many industries and administrative centres they are the where the cult limit from State At One" programme that some raising its totals of such de-

Generating managers

Sir.—The Leeds Junior Chambers of Transport totally ignorant of the facts but willing ignorant igno future, even though in a really very sagacious breed. That is why modity markets as

A multi-racial society

Sir,-Joe Rogaly adds his name to those who claim that Britain is now a multi-racial

There is no doubt that such a situation would be against the wishes and interests of the native British. Perhaps, therefore, those who agree with Mr.
Rogaly will suggest the necessary action to reverse this phenomenon. Otherwise we will phenomenon. Otherwise we will phenomenon. Otherwise we will one way the Government one of the permit one of the perm native British. Perhaps, therebe faced with an irreversible one way the Government fait accompli, and in this case help is to permit one of a measure we would all feel leaders of what is euphen very said that the legitimate desires of the nation had been exports," the commodity measures the state of this country. To retain this country, to retain the second of the s so undemocratically neglected. A. R. Marlow.

Kempson House.

voters

Camomile Street, London, E.C.3. Wishes of the

Racing

Sir.—I would be obliged for an opportunity to comment on the capture of several to the processor Lawson is at capitalist agreement to the the processor and the processor and the processor comment to sell the house; is active entance of the money alone? Do as "safe" at 70 but modern cars when that agreement to the belied to when that agreement to the belied to enter the processor completes when that agreement to tool the Acts.

What has been learned is one, the first of the money alone? Do as "safe" at 70 but modern cars when that agreement to the belied to make so opportunities of the money alone? The work for the money alone? The work for the money alone? The mone opportunities of the processor as "faurilists of the belied to the proposals are not develop as "faurilists of the money alone? The mone opportunities of the money alone? The m

Poole, Dorset, Earnings from

commodities

25, Garland Road,

that they will place the nat

needs before the interest their party's ambitions.

tion has had serious conseque whose fuller repercussion: have yet to endure. E. A. Marsh.

Failure to respect that of

of this country, to retain part of their profits uniax. be used only as reserves, reserves to be used on security for credit, a vita of financing commodities, have, recently risen so rapi industry has this help in ing its machinery, and ind Government substitics for Capital is the machinery commodity markets. Know

TV Radio

† Indicates programme in

BBC 1

9.38 a.m. For Schools, Colleges.

2.20 p.m. A Chance to Meet: Dr.

Immanuel Jakobovits, the Chief Rabbi. 12.55 Cwn Defaid: Sheep-

starring Dean Martin.

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ACROSS 1 and 5 "The pleasing punishment that women bear " (-)

9 Money puts to the test those who are on guard (8)

10 Not one gets on with this idea 12 Not friendly, but we want the time to ask after it (5)

13 Shy relative joins the excur-14 Abolish what sounds a recom- 8 Al junior (5, 3) mendation for a commercial 11 Turned up to rebuke (4)

traveller (6) 16. No doubt in some way under

obligation (5, 2) 19 Interpretation in Berkshire

21 Just average means (6) 23-Ships include the right for pennants (9)

26 Settle a means of illumination 22 To learn about the girl can

(6) 27- Weapon for a zealous sup- (6) 24 Hard cash? (5) porter (8)

29 An animal we put quietly in

23 Here's a toast to the singer 21 Mea; time can be a revelation

28 She does it in play to get the 25 Mother to Caesar, for example

The solution of last Saturday's prize puzzle will be published with names of winners next Saturday.

BBC 2

13.60 a.m. Play School. p.m. Open University. News Summary. 7.35 Opinion: Education. 8.60 The High Chaparral. 8.50 Call My Bluff.

9.25 Horizon 10.20 Then and Now. 19.50 News Extra 11.20 Open Door: The Aetherius Society.

LONDON

dog trials. 1.25 News. 1.30 Andy Pundy. 1.45 The Fanatics. 2.02 For Schools, Colleges. 2.50 Times Remembered . . 3.00 Scope. 3.30 Reporter at Large, 4.00 Play School. 4.25 You Bear. 4.35 fackanory. L50 Rlue Peter. +5.15 The White Horses. 5.40 Adventures 9.30 a.m. Schools Programmes. 12.05 p.m. Mr. Trimble. 12.25 Sing to the Animals, 12.40 First Report. News with Robert Kee, FT index. News with Robert Kee, FT index.
1.00 Mr. and Mrs. 1.30 Emmerdale Farm. 2.00 Farmhouse
Kitchen. 2.25 Good Afternoon!
13.00 A Family at War. 2.55
Whose Baby? 4.25 Clapperboard.
4.50 Freewheelers. 5.20 . . . And
Mother Makes Three.
5.50 News from FTN.
5.60 The Shadoke followed by 8.00 Panorama including an interview with Rt. Hon. Harold Wilson, MP, Leader

6.00 The Shadoks, followed by

Tn•day. 5.40 Opportunity Knocks! 7.30 Coronation Street. 8.00 World in Action. 8.30 Singalongomax.

9.00 Crime of Passion. 19.00 News at Ten.

. world to-day.
All ITV Regions as London Kings, Lords and Commoners, except at the following times: 12.15 Scottish News Headlines.

ANGLIA

2.00 Let's Face II. 2.50 Women Today. 6.00 Channel News 6.30 Survival. 10.30 Branded. 11.00 Journey to the Unknown, 12.66 News and Weather in French followed by Channel Gazette.

SCOTTISH

TYNE TEES

ULSTER

12.00 Mid-day Round-up. 2.25 s.m. At Your Service. 6.00 Grampian News. 6.05 The Royal Claismen. 11.20 Mathian. 11.20 Longstreet. 12.15 a.m. Meditation. GRANADA

HTV 1.05 p.m. The White Line, 2.36 House call 4.00 Report West, 6.22 Report Wales 16.30 Police Surfaces, 11.08 Late National Chemis "Dracela" starring Peter Cushin,

2.00 s.m. Whicker in Europe. 2.30 Rousscali. 4.25 The Adventures of Superman. 6.00 Sectland Today. 6.30 Professor Batthayar. 10.30 The Melody Linzers On. 12.00 Amging Today. 11.30 Late Call 11.35 Upper Crists.

SOUTHERN
2.30 p.m. Houseparty. 6.00 Day by Day,
10.38 The Memory Host, 11.00 The Streets
of Sah Francisco, 11.55 Southern News
Estra, 12.05 a.m. Farm Progress,

10.30 Prive-In.

11.00 Planting for Pleasure.

11.30 Here We Go Again.

12.00 Archbishop Roberts: Hugh Francisco. 11.50 The Private of San Roberts, now in his eighties, the Project of San Roberts, now in his eighties, the Project of San Roberts of San Roberts and the Project of San Roberts. 9.20 a.m. in Tuttys Life These 4.25 The demands 4.00 Todays at Siz. Carteon Tame, 10.50 in The Picture Melcyn Brang, 11.00 The Streets of Francisco, 11.55 Late News E 11.55 Late News E

Kings, Lords and Commoners, except at the following times:

12.15 Scottish News Headlines.
Northern Ireland—6.00-6.45 p.m.
Scene Around Six, 12.07 a.m. 16.30 Gardening Diary, 11.00 Man in A Northern Ireland News Headlines.
Northern Ireland News Headlines.
Englishd—66.60-6.45 p.m. Look
North (from Levels, Manchester,
New castle): Midlands To-d., at Work.

ATV MIDLANDS
Ifom Birmingham. Look East (from Birmingham). Look East (from Rivingham). Look East (from Rivingham). Look East (from Rivingham). Spotlish West (from Plymouth).

South West (from Plymouth).

112.07 a.m. Regional News Headlines.

South Regional News HeadManningham. 11.15 Drive-in 11.25 The Streets of Sca Praneisco.

Advancer. 12.12 Border News Suttmary.

12.13 Search 13.00 Angline Salishamis. Co. Mary. 14.30 Mondar More 'A Told Wind in Austral More 'A

29 An animal we put quietly in the ground (8)

11 We mount up the ready tree (6)

12 We mount up the ready tree (7)

23 A classic hat (9)

24 A laggether protective clothing (7)

25 Bors quits one form of law enforcement (4, 5)

26 Dors quits one form of law enforcement (4, 5)

27 A college window (5)

28 A junior (5, 3)

29 A junior (5, 3)

20 Turned up to rebuke (4)

20 Turned up to rebuke (4)

21 Connes running when both horses win (7, 2)

20 Turned up to rebuke (4)

21 Connes running when both horses win (7, 2)

22 Turned up to rebuke (4)

23 A law in the lock (8)

24 Turned up to rebuke (4)

25 Turned up to rebuke (4)

26 Dors quits one form of law enforcement (4, 5)

26 Dors running when both horses win (7, 2)

27 A college window (5)

28 Turned up to rebuke (4)

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27 Turned up to rebuke (9)

28 Turned up to

Starring Nopac

by DARE WIGAN

afternoon when Rapid River and Nopec runs in the Luckington champ. The three-year-ol

LEICESTER 2.45--- Nyssa 3.15-Supreme Gift . 3.45-Miss Baill

2.30-Salt and Pepper 3.90-Nopac 3.30-Neirmout Point

HAMILTON 3.00-Anton Lad 3.30-Pewsey 4.90-Autumn Double

5.00-Limner PLUMPTON

undoubtedly is. After comfortably defeating Solfering, a 10-furlong race for the smart Brave Lad in the three-year-olds. Television Viewers' Handicap at Haydock last month, Supreme Gift went to Doncaster where he was a heavily-backed favourite for the Portland Handicap. There. Brian Swift's grey colt drew clear of his 14 rivals in the final furlong and had three lengths to spare over Tickled Pink, with Rapid River the same distance away, third,

Rapid River is 15 lb better off here, but though it is likely to be a close thing between them I expect Supreme Gift to come out the better again. The Go-Between, Silver God and Eveneca are the other runners, but I doubt any of them troubling the pair I've men-

they have two good prospects

seciting dual at Leicester (his afternoon when Rapid River and Supreme Gift renew rivalry in the Barleythorpe Stud Stakes (3.15) for which the sponsors have contributed half of the range colt by King's Leap, ran on gamely to get the better of cluding a nomination to their resident stallion, Mummy's Pet.

At the beginning of the season, Supreme Gift, who had showed promise in his only two races last year, appeared likely to make up into a useful three-year-old, but few expected him to SELECTIONS

Barrow Boy ran well for most charted a startling run straight to outclass the first straight to outclass the first what was seen as a form for next month's Ar Triomphe.

Dahlia, the 9 to 10 far who won the Irish funnes and the "King George" (lengths from Rheingold), first was the thire tain to stay a mile. He is a reasonably confident selection.

Barrow Boy ran well for most

Barrow Boy ran well for most richest horserage. Last of the way in a competitive winner. San Son, also we maiden race won by Wishing Prix Vermeille. Stone at Newbury the other day and he has less to do on this, his second appearance, in the Tormarton Plate (4.0) in which I expect him to be too fast for

Aspirc. There is a disappointing field for Hamilton's Lord Hamilton of Dalzell Memorial Nursery Handreap (3.30) and I am hoping that Pewsey will win. This consistent filly, trained at Ayr not far from the course, made nearly all the running when scoring at Edinburgh in May and has been placed in her last five

At Plumpton, where there are ew runners, the principal race is the Drones Restaurant Hamburger Handicap Hurdle (3.0) for four-year-olds and upwards. Boy Tudor will be at short odds to win his first race of the season and I shall be surprised if he does not do so.

Lester Piggott rode Mr. G. A. Oldham's Tempio to an easy victory in the £9,731 Prix de three-year-olds,

Allez France

ALLEZ FRANCE, owned Daniel Wildenstein and

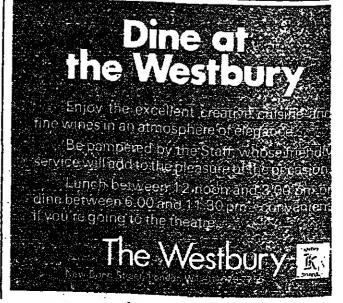
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CHANNEL

GRAMPIAN

6.08 p.m. Northern News followed by What's Ont 6.10 This is Your Right, 6.28 Ruya Brang. 10.30 Crime and Mystery, "The Outrage" starting Paul Newman.

and Christopher Lee.

about his life and times and the problems of the ULD IER 112.59 p.m. Ulser Nove Headines. 230 Women Only. 4,23 Ulster News Headines. 556 UTV Reports. 6.15 Mr. And Tie chimp. 10.30 Monday Night with Very Rev Canos J. G. Meriarry of St. Patrick's Ballshaums. Co. Marc. 119.09 Monday Movie: 'A Cold Wind in August' Marring Lola Albrigan.

THERE is the prospect of an this afternoon in Nopac and by Yves St. Martin, we exciting dual at Leicester this Barrow Boy.

4.13-Tulchan 4.45-My Bernie BATH 2.00-Highland Lassie

4.00-Barrow Boy

3.00-Boy Tudor become one of the leading sprinters in Europe, which he

There are three other meetngs to-day, at Bath, Hamilton ind Plumpton. The trainer and nekey combination of Ryan Price and Tony Murray have ione well at Bath this year and

slams Dahlia

City Treasurer, 509 4XD

SVE. Regent Street. 234 Sc07. At Lata Spectacular "Lib and Le Ent. Fee. Cocktail. Dinner Cha-Brandy and Codies. E6 95 or a 1

The Financial Times Monday September 24 1973

Musica Nova

by GILLIAN WIDDICOMBE

work is one of supreme above soloists have little solo follow, some windbag questions reauty, surely one of the work to do, and the contrast of at forum sessions, and the dearth expressive. Iyrical and thickly divided lower strings of decept restaurants in Glasgow.

ew York's striking musicians

content than to "marmalade."

It is new concerto, played once or hythmic canon and before at last year's Berlin of 13 featured therein. Festival, is woren in much the is with matching joy that same way as his Chamber Connucleations of rehearsal in two movements only, lasting more realised this 20 some 16 minutes. The flute and lack of scores for students to work is one of suprame those saloists have little solo follow some windbag questions.

Dobson: and Jan de Gaetani was the spectacular soprano who sang clear as a piccolo and dark as a viola in Stone Liberty. Indeed, the only grumbles heard during this informative and during this informative and lack of scores for students to work is one of suprame those saloists have little solo follow some windbag questions.

Sadler's Wells Theatre

Duets

by CLEMENT CRISP

Ballet Rambert's return to fields; the electronics by Brian king back over this refined pieces he has yet written. (there are no violins) against y, fruitful week organised. Stone Litary is less elaborate overlapping trails of woodwind help wondering. Which piex, for example, than the Humn character. The first movement is will be remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between the remembered by to St. Magnus which preceded it. a slow, calm microtonal haze between this season Hodgson start from single bell-seems to be enhancing sounds and develop in pitch both ballets and dancers. I and intensity: three couples in was never an admirer of the simple blue dress are gradually cochrane. Theatre's auditorium stretched in bolder and stronger —mournfully lit as if we were to movement. The whole tone is pay our last respects to some pastoral, serene, tenderly attended to the seems to be enhancing sounds and develop in pitch both ballets and dancers. I and intensity: three couples in was never an admirer of the simple blue dress are gradually cochrane. Theatre's auditorium stretched in bolder and stronger —mournfully lit as if we were to movement. The whole tone is pay our last respects to some pastoral, serene, tenderly attended to the provides the main material of the sounds.

The English Concert

renker, he said I am three years; management, point very discouraged at Thursday's intimate surroundings," read the Brandenburg Concerto. Mr. Underdog." This is a ing to its deficit, has offered \$20. The public, of course, wants of the company.

In which all concerted in which all concerted orders in the general public. On September I, having played the general public pay cheques for the next four. Of America's current of the point of the general public of course, wants of interesting the possible in pieces choruses were taken, with no programme note by director. Pinnock threw off the first move that the fullest expressive allows. I look forward to subtleties of old instruments are encountering the group against the Server of the general public pay cheques for the next four. Opera, in its worst in the Elizabeth Hall, the place of the company.

This has been a depressing were taken, with no interest of the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the fullest expressive allows for the first move that the first move t three performances and pocketed scene. Last Friday the Metro-pay cheques for the next four. Macrica's current the orchestra went on strike. If available); are then, some bargaining of the general to force the next four. The pay cheques for the next four. The pay cheques for the next four. Politan Opera, in its worst true; why, then, give a concert financial straits since the great in the Elizabeth Hall, the place depression. Announced that a warning, either, alienating opera-planned new production of Don mote an atmosphere of intimacy? To compound the handicaps of closed, and offending the sister old Eugene Berman sets will be murk, fog and gloom naturally refurbished instead), and that paired by the venue, the hall weeks (to be worked off also expired, but who have continued to rehearse while means on Saturday, the Chicago the players, the performance of Symphony's contract with its the Bach E major Harpsichord to pay cheques for the next four. Dollars when the pay cheques for the next four. Politan Opera, in its worst in the Elizabeth Hall, the place in London least likely to promote an atmosphere of intimacy? To compound the handicaps of depression announced that a mote an atmosphere of intimacy? To compound the handicaps of murk, fog and gloom naturally next summer's opera concerts in the Elizabeth Hall, the place in London least likely to promote an atmosphere of intimacy? To compound the handicaps of murk, fog and gloom naturally next summer's opera concerts in the Elizabeth Hall, the place in London least likely to promote an atmosphere of intimacy? To compound the handicaps of murk, fog and gloom naturally payers (to be worked off also expired, but who have contract with the contract with the contract while the place in London least likely to promote an atmosphere of intimacy?

SOCCER

concert's first appearance of the with the ways of old instruments, the New York State an elderly man was for services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and page or services it cannot use; the lage Romeo and Julief and not even the timely substitution on the vent the timely substitution of a Vivaldi flute concerto could agility of Stephen Preston's wholly cover.

But indisposition was not the only problem. It is in solo or cost-of-living index, want rises scheduling complications. Some only problem. It is in solo or cost-of-living index, want rises scheduling complications. Some only problem. It is in solo or cost-of-living index, want rises scheduling complications. Some only problem. It is in solo or cost-of-living index, want rises scheduling complications. Some only problem. It is in solo or cost-of-living index, want rises scheduling complications. Some only problem. It is in solo or cost-of-living index, want rises scheduling complications. Some only problem. It is in solo or cost-of-living index, want rises scheduling complications. Some only problem. It is in solo or cost-of-living index, want rises

Art show to aid muscular dystrophy

An art exhibition and auction will be held at the Lygon Arms, Broadway, Worcestershire, on Sunday, September 30, at 6 p.m., in aid of the Muscular Dystrophy

noperettal performances. Itinued to rehearse while means. On Saturday, the Chicago the players, the performance of Broadway, Worcestershire, on like, if available); are negotiating.

Since then, some bargaining players was up: the musicians Concerto (one string to a part, in aid of the Muscular Dystrophy ompany, which ran a moves have been made, but a were willing to play while the harpstchord an elegant of comparable, us a plute tion, accepted by the company, Orchestral Association cancelled to comparable, us a plute tion, accepted by the company, orchestral Association cancelled to contract with its the Bach E major Harpstchord Sanday, September 30, at 6 p.m., the barpstchord of an elegant of concerts (one string to a part, in aid of the Muscular Dystrophy the harpstchord an elegant of the Muscular Dystrophy of Great Britain.

Some 100 works will be offered to confusion of sound, blur of including oils, watercolours and counterpoint, smallness of etchings, and some limited ditions of lithographs, signed in the New York Philipson of the players, the performance of the Bach E major Harpstchord Sanday, September 30, at 6 p.m., the Bach E major Harpstchord Sanday, September 30, at 6 p.m., the Bach E major Harpstchord an elegant Concerto (one string to a part, the barpstchord an elegant of counternoint of confusion of sound, blur of including oils, watercolours and counterpoint, smallness of etchings, and some limited will also be on the players, the bach E major Harpstchord and players the harpstchord and elegant co



made, from which corridors the Nurwich School.

An exhibition of Bright's work tains, and there are other drawings, of trees, roads, beach
fauna are next to exotic varieties. Museum until the end of
scenes, which capture with
replete with jungle noises: the September, a number of loans
riches of the local treasure augmenting the museum's own
troves. Roman antiquities and
script a small and growing work it is interesting to see Rocky Coast with Wreeks. troves. Roman antiquities and substantial boldings of Bright's things overtly dramatic, as in earlier; a small and growing work. It is interesting to see Rocky Coast with Wrecks.

The catalogue is a model of times; local porcelain and pottext; he seems to have less in detailed and exhaustive informatory; etc. The region had an common with his distinguished unusually strong medieval culture, and objects expressing contemporary and objects expressing contemporary and victorian some of those heights will be on painters.

The worth of all this is that not only has Bright's work provided the contemporary and the October in a major the contemporary and the contemporary and the contemporary and the contemporary and the contemporary are the contemporary and the contemporary and the contemporary are the contemporary and the contemporary and the contemporary are the contemporary and the contemporary and the contemporary are the contemporary and the contemporary and the contemporary are the contemporary are the contemporary and the contemporary are the contemporary are the contemporary and the contemporary are the c

by MAX LOPPERT

some of those beights will be on view this October in a major

Maria Callas was not the only example, in the delightful suite absent soprano to upset South of dances by the Brescian combank routine on Saturday night: poser Blagio Marini that began indisposition also removed Sally the second half—something of Les Sage from The English their already easy familiarity Concert's first appearance of the with the ways of old instruments, middle of the programme which middle of the programme which come across. I enjoyed the come across. Proceedings and the come across. Proceedings are some of those beights will be on view this October in a major briew this October in a major brievet half october in a major briew this October in a major brievet half october in a major briew this October in a major briew time in the defective work provided to look accessed a

Music at St. Bartholomew

insidious fog of the motor car

engine. But it still presents one of London's grandest vistas: and St. Bartholomew-the-Great remains one of London's grandest churches.

Until September 29 church is celebrating the 850th anniversary of its founding. Just cause for celebration (one could add another: that so far it has escaped the hounding and suffo-

behinds:

is no stranger to the church, as evening, those who attended the annual Arias gave greater pleasure Matthew Passion performances because of their subtler, more from 1952 to 1963 must recal), flexible moulding by conductor His choir sounds at ease and and orchestra. The best of the

LAWN TENNIS

Narrow win for the

chairs are cruel on badly padded seemed to "sing itself," while it behinds: was seen and heard to be
Last Friday's opening concert handled with force — seldom
presented the Steinitz Each inspiriting. The atmosphere of Players and the London Bach abrasave energy got into the Society in a performance of the trumpet trio, who brayed Mass in B Minor. Dr. Steinitz unpleasantly throughout the

very well there, and it was the soloists was the most familiarcation by steel, concrete and winning smoothness and devo. Neil Jerkins who used his glass that is the present hideous fate of St. Botolph and St. Helen's in Bishopstate).

This week's concerts toclude a medieval and Renaissance choral programme by the Pro Cantione Antiqua; Paul Patter.

ORT: RUGBY UNION

loseley celebrate centenary ith 25-12 win over Fijians

Synately it rather looks

try with six players involved the vast majority.

Figure 25—12. the ideal backs, controlled by it was good by have made great Webster. On Saturday he showed that helped making the '50s. They have all his talents, covering compresibly and picking up at administration speed to create Moseley's first those traditions. More two

ounty at No. 4, won her singles and of course last counterattack or the well-planned of course last counterattack or the well-planned of course last counterattack or the well-planned of same, in which they again, in which they have to movement, for which they have to time lead with Doble kicking a lutter nonsense of their lowly to equalishing the problems, Moseley will have to time lead with Doble kicking a lutter nonsense of their lowly to equalishing the problems, Moseley will have to time lead with Doble kicking a lutter nonsense of their lowly to equalishing the problems, Moseley will have to time lead with Doble kicking a lutter nonsense of their lowly the equalishing the problems, Moseley will have to time lead with Doble kicking a lutter nonsense of their lowly the equalishing the problems, Moseley will have to time lead with Doble kicking a lutter nonsense of their lowly the equalishing to position, and created more than After the interval they survived.

The women's event, which easily 6—2, 6—0 against Sheila another intense bombardment and consequently halance. Tyler but were still prepared to play is a natural winder who crosses doubles matches, was won again new Wightman Cup player, Glynis by Middlesex—their 17th overall colors, to clinch her side's victory by Middlesex—their 17th overall colors, to clinch her side's victory by Middlesex—their 17th overall colors. that helped make this try.

This seemed rather harsh, as minutes before time, but their Cooper still had a long way to greatest misfortune was to find run to the line when impeded. Doble in top kicking form, with Rautina ended Fiji scoring by The this their most conversions, which underlined penalty, and the visitors now their seeson. On Naturday's their own deficiency in this skill, began to play their best rugby. they are going to However, they played with To the obvious distante of the "up front particularly dignity and fervour if with little crowd. Doble kicked his third neary grounds. Although continuity. Visel again was their penalty when to run would have at the Fliphus, at no time best attacker, and he began their been more complimentary to the is pack really dominate in first try after only two minutes: guests. The Fijians behind the onl row is pretty minute, changing the direction of attack, sophical, and when asked how present the second row Naugabalavu. Qaraniqi and they felt replied "Isa lei," which on and Magur tooks too Narisia all handled before Lati- expressed in their own language to generate any real levu scored in the corner. Their regret that the team had

A transplant might help 'ailing' West Ham

By TREVOR BAILEY

Dazzling

and administration speed to create Moseley's first their traditions. Mare try, their relations with The Fijians were rather erratic section at immensurably, so that more purposeful than last exhorted by the generous crowd in immensurably, so that week. They lost their strong ing sparint does not took their strong in the moment they are usually waiting for the arrivel either of when only four games develop that the moment they are usually which they are usually withing for the arrivel either of the arrivel either of the when only four games departed. Leicester the moment they are usually withing for the arrivel either of when only four games departed to fear the moment they are usually withing for the arrivel either of the arrivel either of the strong that the moment they are usually withing for the arrivel either of the moment they are usually when only four games developed as the moment they are usually when only four games developed as the moment they are usually when they when they were usually withing for the arrivel either of the moment they are usually when only four games devicted the moment they are usually when the arrivel either of the arrivel either of the arrivel either of the arrivel either of the when only four games developed with that all-important it is likely to be too late.

Since the days when they waiting for

back four.

on craft, especially from Weller Robson nor MacDougall are out--now operating in closer liaison standing in the air.

young Lock took over the ticularly at fullback, is slightly country to open the inning.

England captain's accustomed suspect, depending over much Moore has given magnificent position in the middle of the on Shilton. They did, however, service to West Ham, but it must At first this created a certain clean brand of football,

on and Magor tooks (a) Narisia all handled before better but expressed in their own language exceptent.

To generate any real levy scored in the corner. Their regret that the team had Throughout both halves West This suggests that something to retain their England captain, Indeed, the Fijinox Poble kicked a penalty, but not done better. It was a flam did most they fiji scored their second exotic sentiment probably shared by and repeatedly found ways cause over the years good teams have benefited as a player from themselves and sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by and repeatedly found they are always of sentiment probably shared by any sentiment probably shared by any sentiment probably shared by any shared by any sentiment probably shared by any sentimen through and around Leicester's make their own luck, and cer- a change of scenery.

use an intelligent, incisive and be rather soul-destroying to have been both cantain and the outamount of confusion — both What can be said about the standing nerformer in their players lended to try to head the inegmatic West Ham? On Saturhaleyon era and then to have same ball—but Moore soen day they could claim they were remained through a lengthy settled down and proceeded to unlucky, but although they have mundane period when no supply a series of felling passes. almost invariably been enter honours have been won.

many of them first-time.

Some inevitably went astray, any major honour since the mid-had not caused some of the but in the main his service was sixties, in spite of having some incentives to depart. It is easy excellent.

The main his service was sixties, in spite of having some incentives to depart. It is easy excellent.

men of Lancashire

PETER ROBBINS

OMEWHAT Inckily, Leicester stagged a point in the closing stagged apoint in the closing

In the top bracket, the Surrey 10) now a part-time player, lost cheer this year. both his matches, while the Only Virginia Wade of our Surrey No. 2, Michael Collins more recent leading ladies is ably, against the national united.

21 champion, Mark Farrell, who beat him last week-end in the final of the BP Shield under-21 witnessing the WTC success of witnessing the WTC success of the witnessing the WTC success of the witnessing the WTC success of the witnessing the

success—who were pressed hard with a 6-2, 6-4 win against by the West of Scotland in their ex-Wightman Cup player Winnie They would have done so if with Worthington—Sammels and Shilton had not brought off eight Glover to achieve their objective.

Shilton had not brought off eight Glover to achieve their objective.

Shilton had not brought off eight Glover to achieve their objective.

As the steam and the inspiration of West Ham gradually waiting for the arrival either of them only four games divided.

It was ironic that Shilton was departed Leicester were re-Booking or Bonds, by which time from a depleted Essex to a surfed with that all-important it is likely to be too late. 54 victory. Wooldridge (formerly Miss
Lancashire survived perilously Shawi and Ruth Allan, while the

Hammers employed Bobby Moore of the cups.

The League Championship is six years earlier. This is rather than the remainder of the mid-probably beyond their capabilisimilar in cricket to calling upon field trio, while the promising ties because their defence, particularly and the finest No. 5 batsman in the tage, 16 to 14.

(ranked 4) and Christopher by the young ladies. Our first for which he was better suited Mottram, held them to six victories in the Annie Soisbault matches all, so their victory Cup (under-21) and the Princess depended on a two-set advantage. and Federation Cup teams, but leader, Ken Weatherley (ranked these last events brought little

> won twice-first against Stanley still competing internationally Matthews and then, commend- and she had one of her typical ably, against the national under- seasons of peaks and troughs.

Roger Taylor who reached the In the lower order, Alan Mills, singles play-offs in Dallas and now a teaching professional. Mark Cox who with Graham Stil-after losing in straight sets to well got to the doubles finals in John Crump, made a valuable Montreal, came that ill-fated contribution to Lancashire's Davis Cup trip to Munich.

futility set in and the conference tailed off, enguifed in dead Since then the world has infurther away from the Brossition without residents of the conference and transfer the conference and the conference are the confere

Businessman's Diary

Market Research in Estoril

ESOMAR, the European Society for Opinion and Marketing Research, will be holding its 26th seminar at Estoril. Portugal, from November 28 to December 1. The subject is From Market Research to Advertising Strategy and Vice-Versa and will consist majely. Versa and will consist mainly of case histories of the develop-ment of advertising for actual campaigns—which are usually

difficult to obtain.

Among the companies and brands that will supply material are Oxo. Martini. Silvikrin.

BOAC, Kodak and Trust Houses for the Forte, and members of the Cranfield School of Management will describe their studies in measuring advertising effective-ness which cover 40 brands. The papers have come from five countries and describe national Cur and international campaigns.

British first in woodwork

The International Woodworking Industries Exhibition, the first Oct. to be held in this country, will be held at Olympia from Oct. 230 companies will be on show and the exhibition is being supported by EUMABOIS, the Oct. European organisation of woodworking machinery suppliers.

working machinery suppliers. Oct.
There will be a large Oct.
Continental contribution with Oct.
Germany. Italy and France Oct.
The largest contributor, however, will be Wadkin, the British company which has three stands and is showing what it claims is

revolutionary new equipment.
The Exhibition covers everything from machines for sawing planks to machines for making furniture and British visitor can obtain rail and hotel dis-counts by writing to the IWIE Travel Office, 11. Manchester Square, London, W.1.

Art galleries at Dusseldorf

The second International Ar Fair will be held at Dusseldor from September 29 to October 7 Among the exhibitors will be nine British modern art galleries who will be sponsored by the Fine Art and Antique Exports committee under the DTI-joint

venture scheme, Oct. 18 In all, around 300 galleries Oct. 18 from all over Europe, the U.S., Oct. 22-23 and Australia will be taking Oct. 22-26

To South East Asiavia

Copenhagen

U.K. TRADE FAIRS AND EXHIBITIONS

Title
Electronic Instruments Exhibition
Street Lighting Expn. and Conference
Intni. Filtration and Separation Exhibition
Dust Control and Air-Cleaning Exhibition
Footwear for Spring Exhibition
Monswear Exhibition and Convention
Business Efficiency Exhibition
Midlands Ind. and Commercial Exhibition
Modern Homes Exhibition
Screen Printing and POS Exhibition
Housing and Town Planning Exhibition
Homes Overseas Exhibition
Kensington Antiques Fair
Engineering Products and Services Exhibition
Antiques Fair
International Motor Show
Management Services Exbn. and Conference
Domestic and Com. Textiles Exhibition
Engineering Inspection and Control Exhibition
International Audio Fair
Highland Trade Fair
Food and Allied Industries Exhibition
TIOMBINE FING IN

Watford Town Hail Cutlers Hall, Sheffield Earls Court Exhibition Hall, Harrogate Olympia Horticultural Halls.S.W.1 Olympia Aviemore Centre

Venue Esso Motor Hotel, Bristol

Mount Royal Hotel, W.1 Exhibition Centre, Harroga

Grand Hotel, Birmingham Kelvin Hall, Glasgow

Sna Scarborough Midland Hotel, Manchester

Kensington Town Hall, W.8

Spa. Scarborough

Olympia

Olvarola

Olympia

OVERSEAS TRADE FAIRS AND EXHIBITIONS

		,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,
rrent	Intnl. Machine Tool Exhibition (cl. Sept. 27)	Hanover
rrent	Welding and Cutting Exhibition (cl. Sept. 27)	Essen
rrent	Intnl. Data Processing and Office Org. (cl. Sept. 28)	Paris
rrent	Intol. Exhn. of Foods and Provisions (cl. Sept. 27)	Cologne
rrent	International Furniture Fair (cl. Sept. 27)	Milan
rrent	International Consumer Goods Fair (cl. Sept. 30)	Poznan
ot. 28-Oct. 3 .	Videocassette Conference and Exhibition	Cannes .
	Food Processing, Packaging and Distribution	Johanneshi
t. 1—7	Electronics Exhibition	Osaka, Jap
1. 3-8	Factory Safety and Hygiene Exhibition	Dasseldorf
. 3-7	Storage, Handling, Distribution Exhibition .	Padua, Ital
. 4-14	Motor, Cycle and Snort Exhibition	Paris
	International Aerospace Show	Imima. Jap
	British Marine Equipment Exhibition	Takva
	Food Processing Machinery Exhibition	Milan
	Hardware and Household Goods Exhibition	Dublin
. 11—22	Hotel Equipment Exhibition	Paris
	International Packaging Exhibition	Gotherburg
	International Food Fair	Conenhage
	Souvenirs and Advertising Gifts Exhibition	Salabilite
	Trade and Tourism Equipment Exhibition	Milan
	British Industrial Technology Exhibition	Rilhan
	Women's Ready-to-Wear Fixhibition	Paris
	Pollution Engineering Exhibition	Philadelph
. 25—28	Wood and Allied Products Exhibition	Rotterdam

BUSINESS AND MANAGEMENT CONFERENCES

ıg	_		
Ę	To-day	HTS Mncmt.: Occupational Testing (cl. Sept. 27)	I
rs S- E	Sept. 25-26	Financial Times: Agreements between Companies in the EEC	I
27	Sept. 25—27	Urwick Management: Finance in Construction	S
- 1	Sept. 27	Management Games Seminar	(
	Oct. 1—2	Contractors' Plant Association: Plant Hire	(
	Oct. 2—3	Assoc. Business Programmes: Marketing Seminar	1
	Oct. 3-4	London Chamber of Commerce: Offshore Oil	•
	Oct. 4	Fleeman Conferences: Going Public	5
		Dunchurch College: Management Skills	Ī
	Oct. 9-10	Financial Times: European Motor Industry	F
	Oct. 18-10	Marketing Improvements: Managing a Sales Force	T
ri	Oct. 11-Dec. 13 .	Fin. Times and City University: FT-City Course	ç
		Computer Power: Systems Management	(
7.	Oct. 15—26	Mitchell Partners: Method Study	Ŧ
e	Oct. 16	Ldo. Chmbr. of Comre.; Angola and Mozambique	f
		Marketing Improvements: Practical Pricing	Ŧ
e	Oct. 1617	Fin. Times and Professional Administration:	I

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City University, E.C.2
Canneck, Staffs. 69. Cannon Street. E.C.4 Portman Hotel, W.1 Royal Lancaster Hotel, W.2

Cannock, Staffs. Carlton Tower Hotel. S.W.: Cafe Royal.W 1 16. Park Crescent, W.1 Uxbridge, Middlesex Hilton Hotel, W.1

HUMBER PORTS

ward traffic was 8.232m, tonnes.

TRAFFIC

Inward traffic through the fishermen to catch cod off Ice-land wille neglecting the Humber ports for the four weeks interests of our inshore fisher-ended August 26 totalled 1942m, men who face ruin from over-tonnes and outward traffic \$20,083 fishing by other nations." tonnes, the British Transport An equitable and properly Docks Board says, enforced regime for the seas of

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Fee £20.00-Strathallan Hotel, Birmingham. Further details and booking form from the organisers Fleeman Conferences, 224 Chester Road, Streetly, Sulton Conference, 021-353-4150.

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	DIVIDENDS, INCLUDING ACT ON	81,133	46,245
H	FINAL DIVIDEND	20,316	17,454
	PROFIT RETAINED FOR YEAR	60,837	28,791
11	EARNINGS PER SHARE	4.0 pence	
	The Annual General Meeting was Sentember 1973 at Colwon Rev. V. Wol	held on	Friday 21st

Extracts from the statement by E. S. Coathup, MBE (Chairman): "I am pleased to inform you of the Group's pretax profit of £120.453, a record for the Company and achieved in spate of considerable increases in costs and the necessity for main-

caining price levels in order to remain competitive. Next year is again expected to produce improved profile, and we are pleased to report full order books, technical progress, and a balance sheet very much healthier than in the past.

Merseyside aid call renewed

Financial Times Reporter

A SECOND attempt to persuade the Government to upgrade Merseyside from a development area to a special developmen area is to be made by the North-West Industrial Development Association.

urged for **NW** Europe

By James McDonald, Shipping

negotiations for the United Nations' Law of the Sea Conference in May and June next year. say the authors of the study, Efizabeth Young and Brian

Current British policy, they claim, fails to recognise the need for "sea-use" planning and exploiting the seabed.

Sec Justinlan

EUROPEAN 9&10 OCTOBER 1973 ROYAL LANCASTER LONDON

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OTHER KEY TRADING AREAS Mr George Spaulding Director of Marketing, General Motors Overseas Division, General Motors Corp.

WHAT DOES THE MARKET WANT? M Bernard Hanon Directeur de l'Informatique et de la Planification, Regie Nationale des Usines

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law for the claim of Iceland to Britain's own acceptance that be entitled to extend its fisheries four miles in the case of Norway jurisdiction by establishing a was an exceptional historical compromise a cone of exclusive fisheries juris- demarcation of her territorial compromise diction extending to 50 nautical waters.

While States are

At the same time, the Court right of innocent passage that, following the failure of the 1930 conference States.

Britain's stand on territorial

waters again under challenge

BY JUSTINIAN

FIFTEEN YEARS ago the Ice- vent the plundering of fish stock more powerful voice at the landic Government passed a outside territorial waters, tradi- ference table, her failure Association.

The association will press Mr. Peter Walker, Secretary for Trade and Industry, and Mr. Christopher Chataway, Minister for Industrial Development, to reconsider their refual of a similar request in March, in view of Merseyside's serious unemployment problems and other economic difficulties.

Special emphasis will be placed on Mr. Chataway's recent statement that the Industry Act, 1972, was now playing a big part in stimulating investment in the regions but progress had been slower than hoped on Merseyside.

FIFTEEN YEARS ago the tee-vent the plumdering of han stock more powerful voice at the outside territorial law may picked on the contiguous: ship the first UN conference on the Law of the seas.

Both the first UN conference only of customs revenue quarantine, was a blunder second at Geneva in 1958 produced deadlock on the issue of itself, feeland has declared a 50-territorial waters. This was because the major maritime attemption that their political, assumption that their political, assumption that their political, assumption that their political, are they any closer to an agreed developed (and ultimately developing) countries. In fact, at a time when the concept of the rest of the international alw may picked on the contiguous: she to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give way to a new international law may have to give w

under challenge by nations that accept this view.

the freedom of the high seas is community did not so readily on accept this view.

Workless rate

"Merscyside's unemployment than twice the national average and twice the national average and this fallen much more slowly during the recent economic recovery than in the country as awhole. The association says.

The association says.

The association says.

The association is also to express its serious concern about adverse effects which it says the recent cuts in public expenditure will have on major road projects in the North-West.

It claims that the Government has paid insufficient attention in making cuts in public expenditure to their implications for regional development, and says the North-West and other assisted areas should be given priority in public spending.

Sea authority

the freedom of the high seas is community did not so readily on the saccept this view.

accept this view do chill a solution only in the remained tour of a the faction

that, following the failure of the 1930 conference. States were the 1930 conference. States were the high seas can only give for a declaration that the conservation of fish stocks in the waters. But the matter has oil and gas-raising, drewards around Iceland is not suspected by international lawyers. The THE COUNTRIES of North-West waters around iceland is not sustice the international law to regulation by Iceland's unlighteral extension of its exclusive fisheries jurisdiction to 50 nautical miles. Thus, in one breath, the British Government is asserting the traditional principle of international law, which severely limits a State's territorial waters, while acknowledging the need for international law.

A British attempt at delimit only dumping, and the testing the international law, and future potentially disastrous way. The nuclear bonds and insecurate in 1930, and future potentially disastrous way. The nuclear bonds are competed in a divorderly insecure in 1930, and future potentially disastrous way. The nuclear bonds are competed in a divorderly insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. The nuclear bonds and insecure in 1930, and future potentially disastrous way. Europe should set up a regional authority for their seas, responsible for fishery administration, conservation, pollution control and the regulation of shipping and the oil industry, says a Fabian Society study, The Law of the Sea, published to-day. British Government

ledging the need for inter. A British attempt at delimit territorial waters for say, national action to conserve the ing any expansive move to 12 six miles. If so, the neworld's fishing resources. Since miles was lost at the 1930 conestablish an international; the right to fish cannot be disference. Then, at a 42-nation for the high seas seems a sociated from the need to pre-meeting, when Britain had a more imperative.

"We are maintaining the claims of our distant water

Comparison with the corresponding period a year ago, however, would be invalid as during that period there was a lotal strike by registered dock workers. For the aggregate 34 weeks of this year, inward traffic totalled 14.199m, tonnes, and out-

October 22-23, 1973

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Chile recognition 'fully justified' says Sir Alec

Y HUGH O'SHAUGHNESSY, LATIN AMERICA CORRESPONDENT

DECISION by the British remember to recognise the Le Figaro were detained. This tions showed the appeal was regime in Chile is "absorption followed the detention shortly limited to a request for British y justified," Sir Alex after the coup of Sr. Hugo aid in negotiations with the U.S. Infantino and Mr. Stewart in the "Paris Club." This is the said yesterday.

Alcc, speaking at Heathrow ing of the premises of the U.S. whom Chile is in debt and whose accountant are demanding a ransom of helice is to strend the national.

Allende Government's foreign informed sources said here to-night. DECISION by the British with M. Dupuy of the Paris daily Saturday said that first investiga-

where he is to stiend the national.

Allende Governments foreign informed sources said here toinformed sources said here t

cognising the new Govern embassy in Santiago following and therefore the question of snatched from outside his already in full agreement our action. In London this weekend it was revealed that British good offices did not arise, abundan home here last Friday already in full agreement our action. In London this weekend it was revealed that British good offices did not arise, abundan home here last Friday was revealed that British good offices did not arise, abundan home here last Friday for British assistance to fidence and support of peasants, workers and middle class, and decree issued yesterday, in a green threats to this year in a green threats to the chilean decision business publishing house in 1971, voted by all parties in sub-fill in profits of their industries.

Meanwhile, 7000 people suspensed the bodyguards and norwell fleeing with their captive.

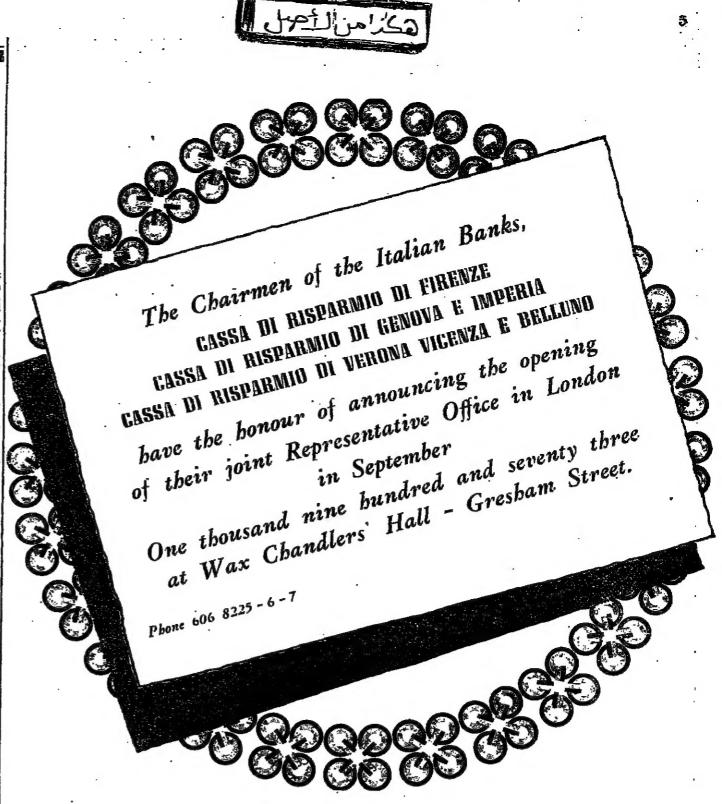
Meanwhile, 7000 people suspensed to the commander of the Chilean decision and the profits of their industries.

Meanwhile the junta sold it would hand over all ow

Argentine kidnappers set ransom demand

Mr. Heywood, married with two children, has been working pany here since last November when he arrived in Argentina

It was also revealed to-day that Herr Eberhard Quentin, a 43-year-old official of the West German embassy in Argentina, has been found shot dead beside a road on the fringe of Buenos Aires. He bad six bullet wounds. Herr Quentin was assigned here less than a year ago. His body was found on Friday night and the case was still under investigation to-day. Reuter



Jussein offer to Palestinians

HUSSEIN said to day commando position. The on a new Middle East peace n's gates are open to Pales. Palestine Liberation Organisa- initiative.

his future relationship the guerillas. He appeared gest that Palestinians willreturn to Jordan can do their personal capacity than as members of la organisations. ; Hussein said talking of

plans about inter-Arab pments is premature. He ied that additional steps Arab reconciliation will A

testion of allowing Arab and units of the Palestine

as provided Jordan will

n's gates are open to Pales. Palesune Liberation Organisation if they agree to intetion (PLO), in a statement last within the Jordanian night, set three conditions, for here on Friday on his way to the unity, but that no one its endorsement of reconciliation is to threaten the country's with Amman and for reactivation in Nairobi met President tion of the eastern front in Sadat privately on Saturday, and Jordan against Israel. They were: and security will be tion of the eastern front in Jordan against Israel. They were:
monarch, in an interview the leading Lebanese Al Nahar, was replying to stion on whether he was to readmit the Palestinian for eadmit the Palestinian for eadmit Israel.

Sadat privately on Saturday, and also conferred to-day with a readmission of the commandos to the Palestinian freedom for the Palestinian to operate from there, and allowing Syrian and Iraqi troops to be stationed on Jordan's cease-to be stationed on Jordan's ce

his first public statements he issued an amnesty for ando prisoners and since conciliation with Syria and the 37-year-old King detection to comment on the next in the reconciliation or his future relationship.

More believed held after Kabul coup plot

BY DAVID HOUSEGO

President Sardar Mohammed The abortive coup emphasises thussein furthermore Daud than has been disclosed the continuing discontent and to commit himself on by Kabul Radio, according to divisions that exist within the testion of allowing Arab reports here

reports here. dunian soil.

tions of Pakistani involvement Daud, their arrest can be said recess believe the King is in the plot, named three people to mark a shift of power in g the door open for some who had been arrested. They favour of the younger Russian reconciliation with the were Mr. Maimandwai, a former trained officers.

w, so that we may be cer number of senior officers are. Among other officers to have of the outcome. He said to have been arrested in been arrested is Gen. Abdul ned: "The idea is not to Afghanistan as a result of the Salem, a former Chief-of-Staff in

CONSIDERABLY larger the province of Nanghahar.

country. Since both Gen. Razzak Radio Kabul, in a broadcast and Gen. Khan Mohammed were on Thursday which made allegaboth close friends of President tions of Pakistani involvement Daud, their arrest can be said

is provided Jordan will Prime Minister, Gen. Razzak, a Pakistan has meanwhile he upper hand. former Chief-of-Staff in the air rejected the charges that it was statements conceide with force, and Gen. Khan involved in the conspiracy in of moderation in the Mohammed, once Governor of Afghanistan.

andt flies U.S. for: ek's visit

onathan Carr

BONN, Sept. 23_ CELLOR Willy Brandt Grigorenko. misthe U.S. today for a weekthe U.S. today for a week-risit during which he is that Grigorenko had been trans-

reviously been his speech the capital. duesday before the United Scienceral Assembly, Both after taking part in dissident mise formula of sending him to numbers last week and Walter School, the West Tashkent in 1969. The following n Foreign Minister. It is nucestant that the Channel of the Channel o duesday before the United

ain subject in the discustears lassinger's speech Soviet activities but never displaying a sign reading "Let a new Atlantic Charter, brought to trial.

The dew Arkady A. Sapithers, the displaying a sign reading "Let be new Atlantic Charter, brought to trial.

The dew Arkady A. Sapithers, the displaying a sign reading "Let be new Atlantic Charter, brought to trial.

The dew Arkady A. Sapithers, the displaying a sign reading "Let me go to my family in Israel."

The dew Arkady A. Sapithers, the displaying a sign reading "Let me go to my family in Israel." of Mr. Nixon's trip is a day, except for the past two m doubt, largely because current domestic problem to four hours daily, the sources added.

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STIS SAD

Ex-General must stay in Soviet mental hospital'

A SOVIET Court has ordered

expected to meet with ferred to a general hospital Grigorenko's case ruled that he ent Nixon. main scheduled engage said to-day the hospital was an or Herr Brandt's U.S. visit ordinary mental institution at Stoibovaya, 60 kilometres from

fight to regain Crimean Tartars
—exiled for alleged collaboration s likely to be Mr. Nixon's with the Nazis in World War II vailed visit to Europe, the right to return to their the right to return to their homeland was charged with anti-

eached a wide measure of confined to a single cell at the ient on establishment of Chernyakhovsk hospital and gue with the U.S. But the allowed only one hour's exercise

He had not been treated with continued psychiatric treatment mind-dulling drugs as had been for former Major-General Pyotr feared, but was now blind in one Grigorenko. informed sources eye and had lost much of the sight of the other, they said.

The sources said a psychiatric Kaliningrad City Court over-ruled this decision. However, the court said Grigorenko could be moved to Muscow to be near his

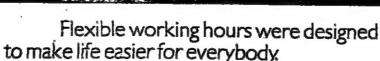
The newsman, Roger Leddington of the Associated Press, was released only after police had forcibly confiscated his film of the Jew. Arkady A. Shpilberg.

Laird warns of oil rationing

WASHINGTON, Sept. 23. MR. MELVIN LAIRD, President Nixon's home affairs adviser. told Americans to-day they will probably face oil rationing this winter-possibly in the next few

Speaking in a television talk show. Mr. Laird assured viewers there would be no tax increase this year. But he said there might not even be time for the Administration to co-operate with Congress, 2: it would like to do to devise an oil rationing

Asked if such a plan would be carried out in the next few weeks, he replied. "I think it will have to be implemented."



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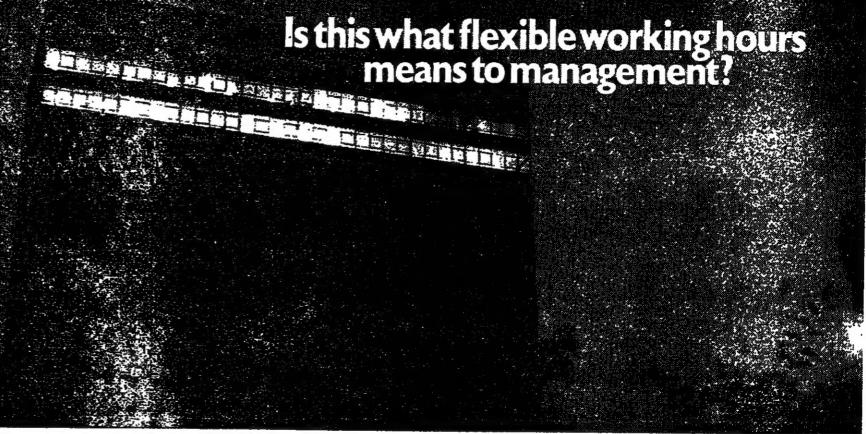
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Election run-up problems | Problems for the Liberals

BY RICHARD EVANS, LOBBY CORRESPONDENT

THE LIBERALS ended their of power, and should consider

The optimism generated by was discussed. the four remarkable by-election snatching power from the Con- campaign for all-out victory at humane, ready to give service aviation business. servatives at the next election the election. and taking over from Labour as the radical alternative.

The goal

election—for instance. Hove—kept very mucl could severely damage morale coming months.

highly-successful assembly at how to react to this situation. Southport in a mood of rare This fundamental difference of support which have been shown be uppermost in the names of the euphoria, but facing more probattitude, glossed over although for this party in recent months accredited underwriters who are lems in the run-up to the next evident throughout the week, into solid Parliamentary results? here for this week's annual conficence all lection than they cared surfaced during the final debate he pleaded.

victories, and the solid local Cornwall, called on the party to in the coming 12 months.

After a lively debate, delegates split down the middle and Dual task accepted Mr. Pardoe's amendment by 338 votes to 328.

They believe the party should go all out for power and accept the aggressive quest for power ined our strategy to contain nothing less as their goal. They promised by Mr. Trevor Jones, inflation with a prices and promised by Mr. Trevor Jones, inflation with a prices and promised by Mr. Trevor Jones, inflation with a prices and promised by Mr. Trevor Jones, inflation with a prices and promised by Mr. Trevor Jones, inflation with a prices and promised by Mr. Trevor Jones, inflation with a prices and promised by Mr. Trevor Jones, inflation with a prices and promise instance that a set-back at a by-election—for instance. However, that the issue will be and capable of acceptance by election—for instance. However, kept very much alive in the all." Mr. Thorpe declared.

Although much of the business.

"Can we translate the good marine insurance markets will, the enthusiasm and the be uppermost in the minds of the

surfaced during the final debate he pleaded.

on Saturday when party strategy and strategy was discussed.

Mr. John Pardoe, MP for North Liberals throughout the country ing insurance market, is under Committee the pleaded.

See Saturday this week saturday in the series of the International ference of the

to their fellow countrymen.

It was a rousing speech from

Call for new door-to-door sales laws

BY OUR OWN CORRESPONDENT

in and out of towns quickly, they don't give satisfaction.

cheating customers and overcharging for goods and services soon as legislation catches up, as
the housewife, in particular, is in the case of pyramid selling long-term contract for such
vulnerable. Companies are also and with unsolicited goods, the
concerned about the damage inventity of these characters. concerned about the damage ingenuity of these characters being done to their reputations comes up with something else," when the teams pass themselves off as their representatives.

Appliances

NEW LAWS are needed to pro- they want to operate for a cer-tect the bousewife from the tain length of time. When buying food freezers from sharp practices of fast-moving "This would require details casual callers. "The salesmen teams of door-to-door salesmen.

a spokesman for the Consumer Association said yesterday.

Because it is possible to move in and out of towns quickly. They don't give satisfaction satisfaction and out of towns quickly.

"The trouble is that the door- party the British market has sent step is always a one-to-one situa- to one of these conferences, tion, and people get flustered. In Between to-day and Friday tion, and people get flustered. In a shop you can always walk out, he debated, including cargo in-One solution being considered The Consumer Association is a shop you can always walk out, be debated, including cargo into the Association is a form of particularly worried about sales but you cannot leave your home surance, containers, pollution salesmen to apply in every town cleaners and the number of salesman."

in marine insurance

By Our Own Correspondent

VENICE, Sept. 23 FIERCE COMPETITION between

intense pressure from oversea government successes earlier consider the implications if it The test of the assembly had competitors particularly from this year has apparently con- held the balance of power. He been whether it had projected the U.S where some of the carrie even some MPs, that the Liberals Cyril Smith, MP for Rochdale, had shown the party had men reserves to swell that market's face a genuine prospect of who argued that the party should snatching nower from the Con- campaign for all out victors at

Other markets too, are elaiming business. Japan, for example has recently entered the inter national market, and five of the "I believe we have discharged major Japanese insurance com-

Although much of the busines and lead to unnecessary recriminations

Wr. Jeremy Thorpe, party a party leader who had managed leader, managed to keep aloof to project himself to his following the party gains himself to a call to all party Ministerial calibre. They loved many more seats at the next election it could be faced with the prospect of holding the balance. General Election.

It was a rousing speech from Although much of the business.

London might lose finds its way back through reinsurance, undership back through

existrophes.
With the entry into service of bigger and bigger ships. increasing catastrophe exposure goes hand-in-hand with a reduced pread of risk.

Another serious problem is inflation. With booming freight rates and full order hooks for

BY OUR INDUSTRIAL AND FOREIGN STAFF

Confident

JINTERNATIONAL INDUSTRY REPORT

without success. year. West Germany. Italy, the U.S. supply are sheet piling and such record of around 48m, tonnes January to August period of 187, and Japan all expect a worth construction steel as beams and being achieved this year.

R-with industrial disputes, but possibly not before next With the market very strong, year. prices remain firm and there are indications that further increases supplies of steel, contracted will be made in several coun forward, are reasonably secure.

Because of the strength of difficulties in the process plant tries in the autumn. demand exports between coun- field. tries have tended to stacken. and where overseas supplies have been made available

ine indications are that the Siderurgie Francaise) is conindustry as a whole, both private fidently forecasting a 25.5mand public sector manufacturers. 26m, tonnes output for the year,
will produce a total of at least, against the 1972 level of 24m,
more than in 1972. This will not tonnes of crude steel (inequal).

Coking coal. The difference the Japanese islands, between the West German and Another limiting fact world price of coking coal is tight money policy only partly covered by Govern-Government ment subsidy.

The U.S. steel industry only affect of the color of more than in 1972. This will not

Honefully, the nationalised has been able to keep price increases at a slightly lower built steel corporation, the increases at a slightly lower built steel supplier, will increase level than those of its main home deliveries by shout 11 per European competitors. French cent, this year, having reduced steel is still selling at about conorts as far as possible. It is per cent, tess than Belgian would have done even better, but and West German steel. strikes in its general steel and The market for steel is comparity divisions led to losses described as still "very firm," of 500 000 tonnes and 250,000 partly as a result of renewed tonnes of steel respectively.

and this situation is expected to levelling off in demand.

WORLD STEEL producers where 40 per cent. of tonnage iron output was up by 5.9 per months, and 15 per cent. in Julius expect the current boom to con-delivered in the U.K. in the first cent. to 13.129m. tonnes in the alone).

Sapanese steel production his quarter of next year. Shortages because it was then cheaper). Crude steel production in West rises rapidly since last year, ar

Steel demand exceeds output

the confident forecast by the tonnes, compared with the 61 77 Among other products in short steel producers of an all-time tonnes' produced during

while increase in output over the girders. The commissioning of In 1972 the industry produced while of 1973, despite difficulative medium section will at 43.7m. tonnes of crude steel. Steel exports it is in some countries—notably BSC's Anchor works should help compared with the peak of 45.3m. fast. Shipments of the peak of 45.3m. the recition in the letter market. Italy and to a lesser extent the the position in the latter market, tonnes in 1969.

Optimistic

The shipbuilding industry's Of the total production, exports were averaging 731,000 tonnes a month in the first eight months this year, also a 12 per cent, rise Imports averaged 641,000 tonnes in the first seven months of this

Premium prices have been asked and obtained.

Restrictions on supplies to the domestic appliance industry are consisted to continue at least the sever.

Which steel production in the first eight months of this year totalled 17.707 000 topines (metric tons). 98 per cent, more than in the comparable period of 1972. The indications are that the industry as a whole, both private asked and obtained.

Although the industry is on the whole optimistic about maintened to find the saling its sales at least this of Japan's key industry. First method of the year, it views the medium-term investment in new plant during reasons are the exchange rate changes benefiting some of the important competitors, such as expansion is below inhibited important competitors, such as expansion is below inhibited into the price it has to pay for new sites for steelworks with and the price it has to pay for new sites for steelworks with the U.S. Britain, Japan and Italy, the difference the Japanese islands.

The indicators are that the sidently forcesting a 255m world price of coking coal is tight money policy of Although the industry is on

One effect of the currency ning at full speed at the tor changes is a steep rise in com- the current economic bound. parative wage costs. A recent American Iron and Steel it survey carried out by the West tute reported last week that a German Iron and Steel Federaduction passed the 100m to tion showed that steel wage costs mark so far this year du At the same time, the industry in Italy were only half those August, when it reached a rec

Italian pig-iron output rose conners of steel respectively at demand from the Soviet Union marginally over the first eight On the contrary, then, the start of the year.

Poth of these divisions are Japanese customers. For 1974. 6.24m, a 0.6 per cent advance, as panies are running too c roth of these divisions are supplies at the moment, though. France expects to see a did steel output, which rose 0.2 to capacity, and that the did steel output, which rose 0.2 to capacity, and that it per cent, to 13.07m, tonnes, from may not be able to put off m

continue into next year. Rein

The latest steel production 13.04m.

In the first half of the year shut-downs they a notoriously slack month, but steel exports dripped to 2.21m.

The latest steel production in the first half of the year shut-downs they nevertheless show an tonnes from 2.39m. tonnes, while lace extended.

The latest steel production for the first consumption resulting from the shut-downs the same 1972 imports rose to 3.22m. tonnes, while lace period Crude steel output rose from 2.87m, tonnes. This reflects confidence in a substantial scale bringing production for the first consumption resulting from the

are being experienced in almost. Now that British steel is cheaper Germany averaged 4.08m, tonnes the steel industry is now wor all the main markets, although and premium prices are charged in the first eight months of this ing at full capacity. Productly, manufacturers have raised profer imports, some users have year, almost 12 per cent, above during the first eight months of the first eight months of the first eight months of the first eight months are the first eight months.

Steel exports have also ris fast. Shipments during the fi half of the year amounted 121m. tonnes compared w 10.1m. tornes for exports duri the first half of 1972.

Despite the rapid merease production the industry is for ing to keep more with dome: demand, or with demand fr some of Japan's export marks

Investment

The U.S. steel industry is t in West Germany: those of 122m tomes for the month.
France were 70 per cent. and Steelmakers have reported for the U.S. wage costs were below for early 1974, and there apply the West German average.

no room left for any further than the control of the control

essential The industry bas been

successful in translating booming sales into selld pro

Freeze

The steelmakers had hoper recoup in a round of price creases, averaging about five June. They got caught in Administration's price fre and it is only two weeks s they were finally able to some joy from the Cost of ing Council.

The upshot is that the s companies will be allowed at half of the price increases t have requested on that re products (about 40 per cent total sales) on October 1. the remainder allowable as I January 1.

They will be able to apply

increases on other products a December 1,

bringing production for the first consumption resulting from the in previous years (to the point eight months to 16.456m, tonnes, new-found recovery in industrial or 5.5 per cent, more than the production (up 6.1 per cent, on first eight months of 1972. Pig- average over the first seven STEEL OUTPUT BY THE MAIN WORLD PRODUCERS under Phase Three rules (In thousand tonnes)

-	First eigh	z months	Percentz
	1973	1972	chang
J.K. ,	17.707	16,124	+ 9.8
S	90.758	79.159	+14.7
pan	77.911	61.653	+26.4
elgium	10.432	9,404	+ 10.9
72.11CE	16.453	15.598	÷ 5.5
Vest Germany	32.617	28.714	+13.6
aly	12.994	13.044	- 0.4
exembourg	3.936	3.618	+ 8.8
etheriands	3.742	3,688 .	. + 15

Source: the International Iron and Steel Institute. Differences in methods of computation may mean that these figures

ary slightly from those put out by individual national industries.



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d get one of our crime prevention squad ok over your premises before competition do.

`he profits of your business d depend on it.





Top executive for mushroom growth

BY MICHAEL DIXON

"WHEN your product's based on Stanton, near Bury St. Edmunds, company within two years. There higher degree in management: horse muck, it sounds funny to Suffolk. Tel. Stanton 4411. say you've got to be frightfully bygenic. But it's true. If a virus so in you've got in you could lose 80 per in your got to be frightfully included as one of the company's experience in financial of running a profitable and grow-specialists on the U.K. invest- general management; age 30-36; and in your got to be frightfully in financial of the company's experience in financial of the company's ex

Suffolk now produce about 5m. cussion. pounds a year.

Mr. Riddle, an Urwick Orr consultant, is running the company until it finds a new managing director. Based at the larger farm some 13 miles from Bury St. Edmunds, the recruit will be responsible to Mr. King ness like this can quickly be for expanding the business, affected by all sorts of events." especially in the higher-priced Mr. Riddle said, "but we're now half of the market.

a blend of earthiness—"we shift John Govert, which manages manure around at a rate of in oftenent trust and other the accountancy firm of qualification at the junior end. 5,000 tons a week"—and funds totalling £350m., wants a Deloitte's is due to amalgamate sensitivity—"we have to culti-tion manager in the City. The with Liverpool accountants, in industry, government or convate and keep high quality job is concerned with two publications at the senior. Age up workers and although we draw lichy quoted, internationally bound to expand the business of to 32. Salaries up to £5,000.

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considerable travel.

Kingdom and Europe.

got in, you could lose 80 per ing manpower and organising Candidates must have been Three or four are for cent of your crop."

Richard Riddle was talking methods of management and not necessarily investment trusts, either senior folk with authoriation.

Salary 23,000-27,000.

Salary 23,000-27,000.

Three or four are for modern successful in managing funds, consultants in data processing—

Richard Riddle was talking methods of management and not necessarily investment trusts, either senior folk with authoriation.

Shepherds Grove Mush
business analysis. A process "We want someone with flair, tative knowledge of at least one industry background especially and a requisition in the field." area of DP, or junior types with

Manager for £100m.

"Any high-break-even busimoving into significant profit-

other problems of growth and tor, with a view to assuming full Three or four jobs are for White (PO Box 207, 128 Queen change, according to Mr. Riddle responsibility and sarning a senior consulting according to Mr.

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rooms, an independent company industry background, especially and a reputation in the field," area of DP, or junior types with largely owned by Norwich businessman, Joe King. Its two farms on former sinced in the biochemistry area, would says Rodney Wrightson (Wright at least three years' appropriate son Selection, 4 Broad Street DP experience. A good degree Salary £8,000-£10.000. Car. Place, London £C2M 7HE—Tel. or professional qualification is farms on former airfields in Help with removal. Rest for dis- 01-628 9117), "Who has been desired. Salaries up to £7,000.

> 20s-carly 30s. Salary around £7,500. Profit management sharing possible. Rest for dis- system. Degree or equivalent is

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on a widespread area, there's spread trusts together amount management consultants There's also an opening for a much competition for labour." ing to about £100m.

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Tenders must be accompanied by preliminary deposit of ID.40,000/- (Iraqi Dinars Forty Thousand) which must be paid in cash to the cashier of this Directorate and the receipt for such payment must be attached to the Tender. Such cash deposit may be replaced by a bank guarantee from approved bank in Iraq.

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for Minister of Works and Housing D.G. of Roads and Bridges.

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NOTICES pominion, Tottenham Crt. Rd. 1580 9582.) Audrey Hepburn. Res. Harrison MY FAIR LABY (U), 70mm, Sep. Pross Wk, and Sun, 2.30. 7.30. EMPIRE. Lencester Sq. DAVID LEAN'S DOCTOR ZHIVAGO (A). Mon.-Saj. 2.30, 7.30. Sunday 3.0, 7.30. Late show. Fri. and Saj; 11.30, Bookable. LEICESTER SQUARE THEATRE 830 5252. MAN CALLED NOON (AA), Cont. Progs. 2.10. 3.55, 6.10, 6.30. 2.10. 3.55, 6.10, 6.30.
METROPOLE, Victoria, B.14, 4671, Roger Moore as James Bond, LIVE AND LET DIS (A), Cont. Progs. Wk. and San, 2.30. 5.20, 6.10. Feature 3.00. 5.50, 8.40.
ODEON HAYMARKET, (930, 2738/2771) Liuronic Oliver, Michael Caine \$1.50Th AA1, See, Progs. 3.00. Feature 3.10. 8.10, All seats Bookable. ODEON LEICESTER SOUARE, 930 6111. Burt Lancaster, Alsin Delon, Pael Scotteld. SCORPIO (A-London). Cont. Progs. 1.10. 3.05, 5.40. 8.15.

1.10. 3.05, 5.40, 8.15.

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Fitzbeth Taylor, Laurence Harvey, Silike Whitelaw. NIGHT WATCH (X). Sep. Progs. 1.15, 4.30, 8.15. Festure 1.55, 5.10. 8.55. All Seats Sookable. CHILEAN EXTERNAL LONG YERM PI ODEON ST. MARTINS LAME. 836 06911 1871, George Sepal, Glenda Jackson. A TOUCH OF CLASS (AA). Cont. Props. 2.0, 3.55. 6.15. 6.30. Feeture 2.10. 4.25, EAO, S.O.

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FINAL ORDINARY DIVIDEND NO. 7Further to the dividend notice advertise in the oress on the 6th July. 1973 if conversion rate aspicable to payments united Kingdom Currency in respect the above-mentioned dividend is \$1R1.528556 equivalent to 1.250990 Paranes. hare.
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sident sea behalf of For and on behalf of CHARTER CONSOL POATED LINETED C. A. Whileson London Office:
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Where Muirfield selectors Why Heath was not chosen fell down on the job

**P the named and almosting All these were explicitle to be from our the green and Semi-be first two days a cold, elected and, nated an ama who be the first two days a cold, selected and nated an ama who have the many the control of the green and Semi-be days and the second hit a very given a game was six iron into the middle of the Heath and the Morning Cloud the be first two days as not aver given a game was six iron into the middle of the Heath and the Morning Cloud the beautiful to be unavailable to be when Amazine that a superior of the first and frequent of the form of the green and Semi-bed his active the proposed of the control of the

ust was the safe way out, ting no controversy among players and causing no ion among the officials. t it was not was the bold, nturous way of picking ers likely to rise up in fury e sight of an American. the four, Brian Huggett d be in the Ryder Cup team lmost anyone, provided he I still walk, even with the of sticks. He was playing y when he arrived at

nceded a replacement for than he had been all match, sick Gallacher and he con- Even further behind was sick Gallacher and be con-

COMPLExample Dong McClelland the 16th green, chipped badly Juhn O'Leary, perhaps even and lost the hole to a par. At: AOT Chiproven match players like the 18th Nicklaus was short with

one who really will select, who will be prepared to go for players like those I have pre-viously mentioned.

Hunt's singles order for the morning was impeccable. He led ricid, and played bodly in who, if he was fit to play, had to first match with Maurice be fit enough to play near the bridge. Then, that old top, and followed with Peter c fervour came in his aid Butler who had played well to he ended up the only on wards the end of his fourball on player on either side in match on Friday.

match on Friday.

The move back-fired. lost a two-hole lead to Billy Casper and went right to pieces ay that Garner was also not in good enough shape to aten but he, incredibly, cope with Tom Welskopf, and being "selected" did not indeed, you need everything he chance to prove himself, goling for you to beat him was not played in any of Butler was four down after six natches and the logic of his and now gloom was mixed without it has him. tion is balling, to say the grey at Mutricid. Bohind them Neil Coles came to the 18th ero came a time at Muirfield preen one-up, three-putted, and Beinard Hunt was stuck, sent Gay Brewer away happier

d that there was no one Maurice Bembridge who was two the same qualtities with down with three to play against Jack Nicklaus and could be enty of grifty golfers were safely written-off. Except that, at Muirfield: Peter Townsend suddenly, Nicklaus fell short of

for Southern Cross series

BY ALEC BEILBY

he had Nicklans on the other side that his business, marketing preparing shipment from Liver. The problem is, of course, that his is a professional game and the team is selected by professonals. They are only too aware of the kudos that go with the tag "Ryder Cup player." In 17th just when he needed them order to find the right teams the selectors will have to find someone who really will select, who propering supposed from Liver. Australian requirements. That, Den Arthur Slater, a veteran of added to the replacing of running campaigning "Down Under," had and standing rigging, purchase already arranged the necessary of spares not obtainable in support from various sources, Australia and life-saving equipages raising about £50,000 to cover ment to meet Australian rules, alw both the cost of challenging for as well as the employment of one the Southean Cross Trendy this confessional hand to maintain the southean constant when the southean control of the course of the southean constant and maintain was a second control of the c

riders and horses can get into Faramiar.

Sue Hatherly best at Cirencester

BY MICHAEL DONNE

The Nuvice Championship was

separated the first three riders. The Nuvice Championship was in the competition indicated won by Mr. John Pullen, riding again that in horse trials it the brown gelding, Samovar, with always pays to build up the best a total penalty score of only 40. Second was Lieut, Malcolm possible dressage score before embarking on the cross-country Wallace riding Felday Fair, with est. 47 penalty points. Thi Even the most experienced Miss Patience Green

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Peyton: traffic curbs needed

' RAY DAFTER

s damage to the environwould occur if the future em of motor traffic 22m les by 1980—were allowed unrestrained, he sold the nal Conference for the ick at the week-end.

and cittes would be forced honours degree in electrical or mechanical engineering to the access, particularly at mechanical engineering. The access, particularly at mechanical engineering trained to introduce legislation industry's engineering trained ships. The Central Electricity then the enforcement of the infending owner of the offenders whips in both mechanical and electrical engineering, while area electrical engineering, while area electrical engineering, while area electrical engineering only. Bove and cirls ared between 18 and 21, with at least three A level passes, including mathematics and pricing. Large vehicles the banned from narrow the banned

2 RESTRICTIONS on road This required a first-class road were necessary if cities network linking the main towns the country-side were to and cities with adequate roads

THE ELECTRICITY conference, organised by industry is again offering this conference, organised by year a number of university. Council for the Protection scholarships to school-leavers who iral England, was told that wish to read full-time for an and cities would be forced honours degree in electrical or

heing submerged under a to the ports, and by-passing small ral pall of asphalt," Mr. town and villages.

Peyton. Minister of port industries, has Flectricity

Electricity **Boards** offer scholarships

The Cli presidential address 1973

address to the annual conference of the Chartered Insurance use at the Iron Half. Manchester, on Friday 21 September, tachard G. Glein, 18, 100, said that he was delighted that the conce was being held in Manchester, where, one hundred years ago; the ance institute movement had been born. From that time growth had continuous to a membership of over \$0,000 today.

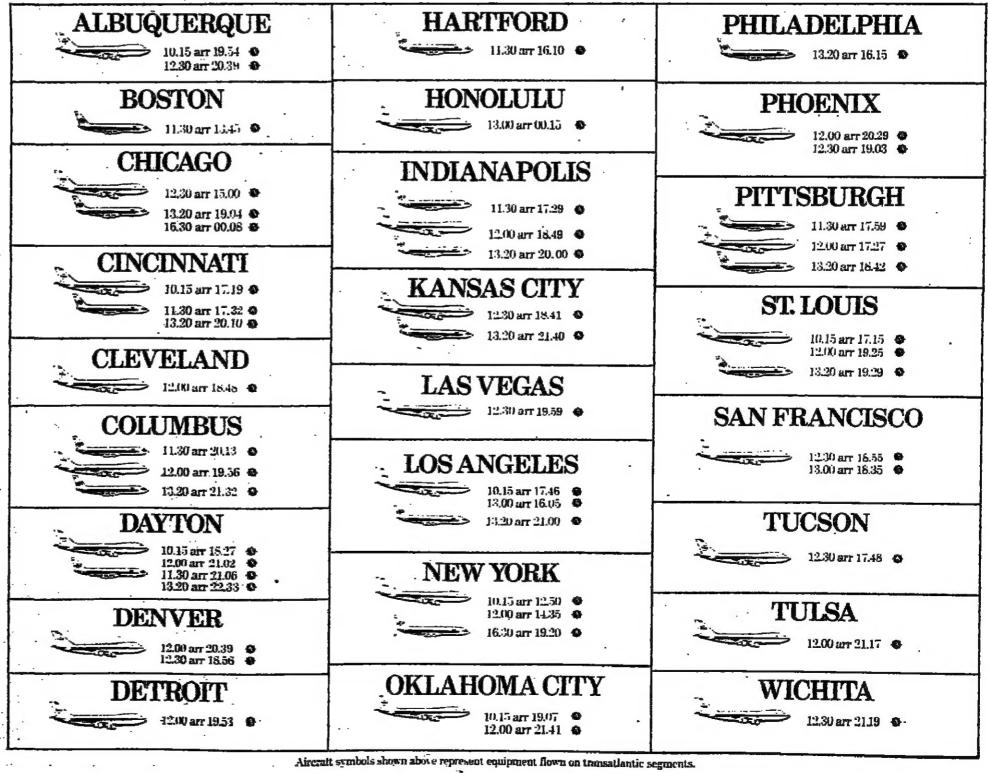
13 was the first year in which the Institute's examinations had been in all subjects of its new syllabus. The signs were encouraging that a transaction outd by achieved than in the bast, as the new system had

r pass-rate would be achieved than in the past, as the new system had cred a gratifying number of good A-level entrants. However, many idates had failed to appreciate the scope of the new Fellowship cts. The date of the examinations, now held only once a year, was

treviewed by a special committee.

Rotations were proceeding in Brassels with EEC officials responsible he harmonisation of qualifications in the European Community. resonance and the community of the force of the fact that the mission was long there was consolution in the fact that the mission was beginning to look less at the way in which professional factions were obtained than at what they qualified people to do, entry into Europe in mind, there had been a significant expansion in will the professional than the fact that the faction of the factions liberture. her new projects included the incdemisation of the Institute's library, a insurance cureers film *The magic of averages*, and the first issue of a nts bulletin which was to be published twice yearly to help students op up to take with changing law, theory, and practice.

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A changing role for medical charities

BY DAVID FISHLOCK, SCIENCE EDITOR

"IT IS the Government's job will each receive over £400,000 to help them, not mine," is a from this one source. Last year, familiar response to any appeal the two biggest charities of nine 10 help the sick by contributing that support cancer research in cash for more medical research. Britain spent £230,000 of their British donated about £15m, last publicity. year to medical research: a size. The private donation has

the £5m. given by Sir Halford research. Reddish, chairman of Rughy
Portland Cement, in 1971 for the building and running of a brand-new research institute for ments for increasing the ments for increasing the "relevance" of medical research institute for "relevance" of medical research. heart and lung diseases in by gradually transferring control Sussex, (This was claimed to be of part of the Medical Research the biggest single donation ever Council's budget to the Departmade in this country for ment of Health. The pish is medical science.) Another big that this portion shall be spent one came from Mr. (now Sir) on problems designated by the Michael Sobeil in 1967 — on problems accignists. Research Campaign.

esearch Campaign.

his staff.

But much of the cash comes. This departure from a longtends of a fuotball pool oper- £2.260m, last year, he made a mundane diseases as dental fic tasks without damaging some a year, spends them very (devoted to the afflictions of shunnel precisely because they of the most productive research and by Pembroke Donations, strong point when he showed caries (about £100m, a year), of the more basic research. In shrewdly on symposia of very textile workers)? The total are so prevalent and so feared, workers.

But the fact remains that the income on promotion and

able sum when it is remembered always been an important factor that the Medical Research in this country, and there is a Council, the prime source of good case for saying that it: research and funds for medical importance will increase in science, spent less than £29m. Juture because of Government Sometimes the donations pressure for greater "relevance" come in large dollops, such as in Government-funded medical

in quite modest amounts from standing tradition of total inflag days and football pools, dependence in choice of that there was no correlation at research into which has been rising importance or promise, the Medical Research Council to Britain? The Migraine Trust another informed. In Novem from Christmas card sales and research was fiercely contested all between bed occupancy and left largely to the toothpaste of the Rothschild programme.

The Rothschild programme and interest of a high-pressure tradition when he abandoned number of bedridden patients and other directions in the hope publicity campaign. This year, morbidity as the yardstick of suffering from mental, bron-foundation are formed and the research council to the the decade and research council to the the decade and research was fiercely contested all between bed occupancy and left largely to the toothpaste of the toothpaste of the contents of the Rothschild programme.

Other British foundations are form a joint co-ordinating comset of the decade 1965-75,000 over the decade 1965-75,000 over the Medical Research Council mental formed of the Rothschild programme.

Posals will permit the NHS to medicine. The Nuffield, for anyone's independence, would its income was less than \$250,000\$. the NHS and university of the state of the NHS and university of the state of research funds in these expertises of a high-pressure tradition when he abandoned number of bedridden patients and other directions in the hope once-strong interest to educal Research Council mental formed of the Rothschild programme.

The NHS to medicine the Medical Research Council mental formation are form a joint co-ordinating comset out to raise £750,000 over the decade 1965-75. By 1900 the Hedical Research Council mental formation are form a joint co-ordinating comsets out to raise £750,000 over the decade 1965-75. By 1900 the Medical Research Council mental formation are form a joint co-ordinating comsets out to raise £750,000 over the decade 1965-75. By 1900 the Medical Research Council mental formation are form a joint co-ordinating comsets out to raise £750,000 over the Medical Research Council mental formation are form a joint co-ordinating comsets out to raise £750,000 over the Medical Research Council mental formation are formation are form a joint co-ordinating comse for example, two charities, the research priority. He chose in-chial, rheumatic, addictive or duced.

Imperial Cancer Research Fund stead as his yardstick occupancy other afflictions that have But the quest for relevance medicine but makes its mark voluntary research bodies, from one City Migraine Cliny Migraine Cliny of the will discover that growing the accounted by financing new the Arthritis and Research to the pro-cisely half of the NHS budget of It also spends heavily on such medical research for man administrative burdens are productive research for the most productive research. The about progress and policies.

Wolfson Foundation is strong on But what of the myriad other the cost of running the newly the charty-funded work in the charty-funded work in the cost of running the newly the charty-fun



A large proportion of money needed for medical research

become clear that some of the ordinate medical research. work cut out holds the clue to Co-ordination, however, is a much more than the two cancer example accounted for more problems of real relevance.

are the public's great safeguard independent; inevitably they rheumatic diseases £45.000 could find only £65,000 for against "accidents" of this are competing for public Cystic fibrosis, an incurable research. kind, believes Dr. Peter favour—and there are striking hereditary disease that upsets Williams, director and secretary disparities in the readiness with the lungs and digestive systems of the Wellcome Trust. With an which the public will give to of children, has a sufficiently income approaching £3m. this different programmes. year, this is the largest of the foundations which support a Cancer, and heart and rheufoundations which support a Renedict Nightin.

Cancer, and heart and rheusupport 41 voluntarily financed charities? Everyone is wary of the foundations which support a research projects.

react much more slowly. He to have money to give and and multiple sclerosis. The almost any sector (except the cites the way the Wellcome legacies to leave." attract money like the sick research in Britain, estimated only a few hundred thousand fund research projects. research fellowships.

highly sensitive subject with funds can command. The voluntary funds, as the charity-financed research Heart research collected sponsors of medical research, organisations. They tend to be £452,000 last year, and the Mental Health Research Fund

broad spectrum of medical reason, says Benedict Nightingale in his book "Charities" But other diseases for which be shifted from a well-endowed published by Allen Lane earlier there is no cure in sight arouse sector - say cancer - to Williams can move quickly to this year, is that these are the little response with the public, penurious one. In any event fill a gap where the more highly diseases mainly feared by the among them the "wasting" it can always be argued that the committed big research centres older people, "those more likely diseases, muscular dystrophy first sign of real promise it

of skin diseases ("it doesn't the Prime Minister on cancer that in 20 years has produced child or cancer") and raised that of the £10m, speut in 1971- pounds for research. hopes for sufferers by creating 1972, some 16m. came from the People may find these diseases Mr. Duncan Guthrie, director of two big charities, the Imperial hard to face-or even pronounce. the National Fund for Research Only about fim. of the Cancer Research Fund and the But what of migraine which, into Crippling Diseases, her Wellcome's budget is ear Cancer Research Campaign according to an Office of Health persuaded the medical found; marked, leaving nearly £2m. for . In 1969 the Government per- Economics study last year, tions and charities to form swift support in matters of suaded these two charities and afflicts about 5m. people in standing conference to keep on

powerful emotional appeal to is there not a case for greater

singled out the neglected topic Lord Zuckerman, reporting to competing for a public response

a year or two's time, it might high reputation aiming to co-research funds of about 90 like the mental disorders. These charities are about £9m.—not diseases — schizophrenia, for NHS beds than any other group of illnesses last year. Yet the

dependent upon rather than intellectual appeal, pharmaceutical tumbling over themselves to

This year Dr. Williams and



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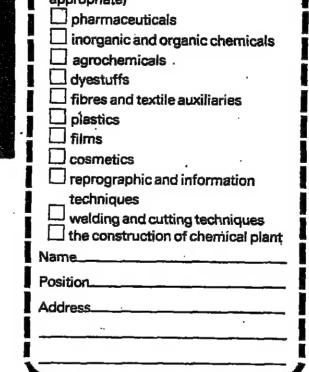
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INTERIM STATEMENT

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REDEMPTION OF 1978 LOAN STOCK ANNOUNCEMENT TO HOLDERS OF LOAN STOCK 1978

Further to the aunouncement dated 13th September 1973, the directors announce that advice has been received that the Trustee for the 6% ZIMCO Bonds 1978 has received payment in full of the outstanding capital and the accrued interest on the bonds and that arrangements are being made to pay the sums due to bondholders on the 1st October 1973. Such payment will include certain additional sums to be determined representing interest on investment in Authorised Securities made by the Trustee from 18th September 1973 to 1st October

1973.

The directors of the company have therefore decided to redeem the matching 6% ZCI Loan Stock 1978 on 17th October 1973. Payment will be made to stockholders registered in the company's register of loan stockholders on 5th October 1973. The redemption payment will include the six months' interest on the loan stock due at 10th October 1973 together with such excess interest as may be received from the Trustee for the ZIMCO Bonds and any interest earned by the company on the funds for an additional period of seven days in view of the fact that the redemption date is 17th October 1973, being seven days after the normal payment date for redemption instalments of capital and interest covering the previous six months' period. This additional period is required in order to give the requisits notice of the registration date and to enable the company to prepare warrants covering capital and interest payments including such additional interest.

It is anticipated that warrants in respect of interest will be posted to stockholders on or about 16th October 1973. In view of these arrangements for the full and final redemption of the company's 1978 loan stock, the seventh repayment of capital and interest as announced on 6th September 1973 will now fall away. Stockholders will be able to obtain repayment of the capital due to them by completing a form of surrender and returning it to the company together with their loan stock certificates. Payments will be made by the company only against receipt of these documents. Formal notice of redemption together with instructions for claiming repayment will be posted to stockholders on or about 25th September 1873.

The transfer books and register of holders of the loan stock will close on 6th October 1973 and will not reopen. Application will be made for the listing of the 1978 loan stock on The Stock Exchange. London and the Johannesburg Stock on The Stock Exchange. Exchange to be withdrawn with effect from 8th October 1973.

The Bank of England has sureed that following the Board of Directors' resolution of 14th September 1972 (which gives stockholders the right to require repayments of capital on these loan stocks to be made in Bermudian currency) the foreign currency proceeds of capital repayments may be dealt with as 100 per cent investment currency, whether such payments are effected by means of sterling or U.S. dollar warrants provided that the stock to which repayment relates is beneficially owned at the close of business on 5th October 1873 by a person resident in the United Kingdom (including the Channel Islands and the Isle of Man) or the Republic of Ireland and had either:-

(i) been continuously owned by him as a resident of those countries since 22nd June 1972; or (ii) been acquired by him as a resident of those countries since that date through an authorised depositary in the United Kingdom against payment in sterling or investment

Residents of Gibraltar who consider they are entitled to qualify for the investment currency premium should arrange for their agents in the United Kingdom to make specific application to the Bank of England.

While holders are, as mentioned above, entitled to receive capital payments in Bermudian currency, such payments cannot, under the provisions of the Bermudian Exchange Control Act 1972, be effected at present. Payments may also be made in U.S. dollars or sterling and in the belief that it would generally be more convenient to residents of the United Kingdom, the Republic of Ireland and Gibraltar, the payments Kingdom, the Republic of Ireland and Gibraliar, the payments to them will be made in sterling. Accordingly bolders with registered addresses in those countries will receive their capital repayments in the form of warrants drawn in sterling. United Kingdom, the Republic of Ireland and Gibraliar registered stockholders may, however, as a matter of convenience with the receive payment in H.S. dellars. Le order

venience wish to receive payment in U.S. dollars. In order to be effective for the within-mentioned payment any such requests must be received at the office of the company's registrars in the United Kingdom (Kent House, Station Road, Ashford, Kent. TN23 1QB) on or before 5th October 1973.

In respect of interest payable from the office of the United Kingdom registrars or to the order of stockholders whose registered addresses are in the United Kingdom or to other stockholders who have mandated payment to addresses in the United Kingdom, there will be deducted United Kingdom income tax at the basic rate of 30 per cent. Such interest payments will therefore be made in United Kingdom currency in accordance with the conditions embodied in the second schedule to the Trust Deed constituting the 1982 and 1978 loan

Payments from the South African transfer office will be made in South African currency. Holders with registered addresses in the Republic of South Africa or in South West Africa may, however, elect to be paid in United Kingdom currency provided any such request is received at the offices of the company's local registrars in South Africa or in the United Kingdom on or before 5th October 1973. Stockholders must where necessary have obtained the approval of the South African or other exchange control authorities having jurisdiction in respect of any such payments. Pembroke,

21st September 1973

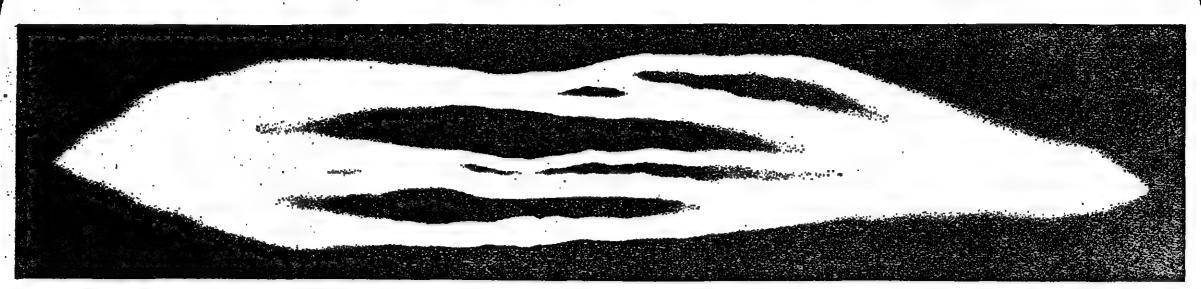
Hoechst keeps thinking a

11111



A publication of the Bosch Group. Project: Electronic ignition for motor vehicles.

A contactless transistorised ignition system. Or, 30,000 sparks per minute for years on end with no maintenance.



Driving today is an affair of increasingly severe extremes:

• stop-start-stop town work, followed by sustained high speeds for hours on the motorway, followed almost inevitably by a traffic jam. These erratic conditions, exacerbated by severe and abrupt weather fluctuations, especially in winter, demand powerful and reliable engine ignition systems.

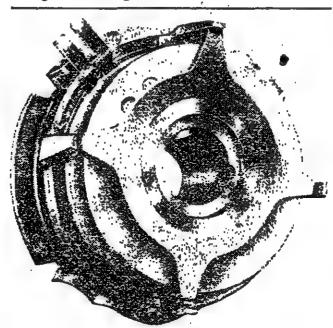
Bosch have met this need with a transistorised coil ignition system. Contactless, it supplies the spark plugs with a more uniform voltage over the entire speed range and eliminates the old mechanical contact-breaker. There are no rubbing surfaces; no maintenance is required; so it lasts considerably longer.

Previously, electronic ignition systems were used primarily on high performance engines; today's punitive traffic conditions demand improvements to the conventional system to produce a more powerful and flexible engine for the everyday family car.

Bosch have been developing transistors specifically for advanced ignition systems over many years of careful research.

A transistor can switch a much higher current than a mechanical contact-breaker; it never wears, it never needs readjusting.

In this Bosch system, a pulse transmitter generates control signals, synchronised precisely with the engine cycle. These signals are converted and amplified in an electronic circuit and then fed to the power transistor which, together with the ignition coil, generate the ignition voltage.



The rotor for a 4-cylinder engine has 4 arms; during one revolution the electronic ignition system produces four control pulses.

The pulse transmitter consists of a coil and a permanent magnet, forming a magnetic circuit – in which the magnetic flux is varied by a multi-arm rotor, synchronised with the engine cycle.

Electronic ignition systems are automatically fitted to Grand Prix and sports cars to achieve superior performance.

Bosch bring these benefits to ordinary .

Bosch Group research - results - realization

5,300 Research and Development employees in Germany. DM 271 million research budget in 1972. More than 15,000 patent and patent

BOSCH Group

Platinum

price up

again

for platinum by \$8, to a new range of \$158,\$163 an ounce. Increases have also been made for rhodium and iridium "to reflect increased costs and good demand," according to a company spokesman.

The U.K. producer price of platinum was increased last week by £1.50 to a range of £66.£68 an ounce, to take account of the lower value of sterling.

If the new U.S. price is followed, in accordance with normal practice, there should be an increase of around £3.50 an. ounce, dependent on the sterling-dollar exchange rates.

Irish plan major U.K. tourism drive

By Arthur Sandles

THE IRISE Tourist Board, encouraged by a sudden revival in tourism from the U.K. this year, is about to embark on a major sales effort for 1974.

In co-speration with Aer Lingus, Stand I Line, and British Ray, at spries of Jish Travel Centres are to be opened in British cities—and £120,000 is to be spent on a national advertis-ing campaign.

An indication of the nor-malisation of tourism relation-ships between the two countries is the fact that British coach parties will be returning to the Republic for the first time for ścyciał scasons.

Next year ClE, the Irish coac company, and Britain's Nationa Bus Company will be co-opera ting on six routes.

il you pay basic rate income tax.

country. There are no charges,

and you can get your money

Get the Abbey Habit now. . .

and watch your money grow

Hor the address of your

nauest branch or local agent,

faster than ever before.

see Yellow Pages.

So don't just too with the idea

without luss.

Overall results for Irish tourism this year suggest that traffic to Ireland will be up by 10 per cent. A further increase of 13.5 per cent, has been prelicted by Mr. Eamonn Ceann director-general of the Irisi Courist Board.

The Board seems hopeful that it will be able to co-operate much more closely with the British Tourist Authority.

The Irish are keen to get th message across that the Irish and English pounds are in the same economic boat. Research, so far, seems to indicate that the absence of currency exchange complications; has beloed the Republic's tourism ambitions as far as Britain is concerned.

There is also going to be a winter "educational" pro-gramme in Ireland itself among

Fewer job seekers in Wales.

solvence in industrial scurred intring the second quarter of the second to the the welsh Office's latest progress

Unemployment in Wales at the end of the period, in line with that for the rest of Britain, was running well below that for the corresponding time last year. The seasonally adjusted figure at the end of June was 33,700; showing only a slight fall from 36,000 registered for the first quarter. In June 1972 the seasonally adjusted total was 47,100.

Weish coul production for the first half of the year was In. tons ahead of that for the first six months of last year. The 1972 figure was distorted, however, by the seven-week miners strike and coupul pet manshift fell by 2.3 xt, in the first part of 1973 to

The receive average of steel production in Wales, in the first half of 1972 are anced in The United Parts 800 Entires despite labour troubles in the Elanywern works which anterrupted production early in the real A significant rise also twoks place in the level of Welsky Intilding non-cival programmering activity. Dirring the Rest live 1983 and 1983 and 1983 placed were placed at 1853 a. 1980 parell with 1983 of 1983 and 1983 placed were placed at 1853 a. 1980 parell with 1983 placed at 1853 a. 1980 parell with 1983 placed at 1983 per law contracts of 1983 pe

Tork MP-to stand down

he lucal party exceptive that he anied to resume many activities, gracinally farming

Mr. Hill, 60, a barrister, is a nember of the Parliament of

General Election: J. E. B. Hill C.) 22,614: C. Shaw (Lab.) 17,172; 3. E. Goldstone (L.) 3,811. Jajority 5,442.

revival—but slight

FINANCIAL TIMES REPORTER

Mortgage rate

Mortgage rate

pessimistic than men, and this defer durable purchases, month's figures redress the For the second month running struction somewhat. On balance there has been a slight increation announcement of an 11 per cent mortgage rate by the Building Societies Association, and it ago.

Notwithstanding this, a balance they were 12 months a Notwithstanding this, a balance the effects of this on consumers now form the most optimistic said they were worse off the group with a negative balance they were at this time last ye

well-being.

who expect them to get worse in These are the main findings of the coming year—improved from the latest survey of financial -29 per cent, to -25 per cent.

These are the main findings of the coming year—improved from the latest survey of financial -29 per cent, to -25 per cent.

There is no doubt, however, the prices is more and more to the survey. The cent, on balance expect things prices is more and more to market Research Bureau. The to get worse whereas three cause of the desire to buy no particular months, ago, rather more than rather than later. No less the who expect them to get worse in

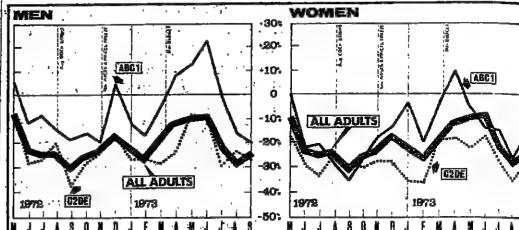
survey, is based on a nationally months ago rather more than rather than later. No less the representative sample of 964 20 per cent. on balance were 56 per cent. of the sample—taults interviewed between looking for an improvement.

September 6 and September 12. A month ago, women were far—gave rising prices as the apparently considerably more reason for preferring not pessimistic than men, and this defer durable purchases.

Mortgage Fate

THE NEXT 12 MONTHS

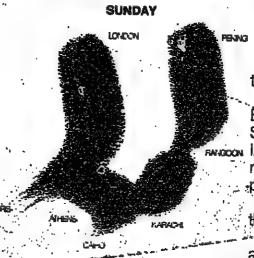
Percentage balance of respondents expecting conditions to implie the next 12 months over those expecting them to worsen.



BETTER OR WORSE OFF		ago? Percentages in brackets—"The	refer to those i	saying "Better off"	: "Worse a	
_		All Adults	ABC1 Mon	ABC1 Women	C2DE Men	CZDE Wor
sb	September 73 .	28 : 41 (31)	34 : 35 (31)	32 30 (38)	26 : 48 (26)	23 : 42 (
at	August 73	. 26 : 42 (32)	30 : 35 (35)	30 : 35 (35)	23 : 43 (34)	23:48 (
JŽ.	July 73	24 : 43 (33)	30 : 35 (35)	23 : 40 (37)	23 : 45 (32)	21 : 44 (
50	June 73	36 : 34 (30)	53 : 26 (21)	33 : 30 (37)	36 : 37 (27)	37 : 36 (
6-	May 73	33 : 34 (29)	37 : 31 (32)	36 : 33 (31)	33 : 41 (26)	29 : 40 (
η,	April 73	29 : 39 (32)	37 : 34 (29)	27 : 37 (34)	32 : 40 (28)	22 : 44 (
	March 73	25 : 41 (34) ·	DZ : 40 (28) '	30 : 34 (36)	21 : 41 (38)	21 : 47 (
	February_73	29:37 (34)	30 : 32 (38)	24 : 39 (37)	31 : 39 (30)	29 : 37 (
	January 73	31 : 35 (34)	38:31 (31)	32:30(38)	31 : 40 (29)	29 : 37 (
	December 72	. 32 : 34 (34),	37 : 30 (33)	26 : 33 (41)	35 : 34 (31)	28 : 36 (
	November 72	31 : 39 (30)	40 : 38 (22)	28:34(38)	33 : 40 (27)	28 : 41 (
	October 72	21 : 67 (12)	31 : 56.(13)	16 : 71 (13)	22 : 64 (14)	16 : 71 (
ne:	September 72	33 : 36 (31)	43 : 26 (31)	30 : 27 (43)	32 : 39 (29)	29 : 40 {
ļđ,	August 72	28 : 36 (36)	34 : 32 (34)	27 ± 42 (31)	29 : 25 (46)	25 ÷ 36 (

EMRS, Financial Times. Full survey purchasable from SMRS.

Every Sunday gramme in Ireland itself among people working in the travel business. About 1,000 personnel are expected to take part in schemes aimed at improving Ireland's competitiveness. In its calculations the Irish Tourist Board has assumed that both ferry and air fares will rise, but it is shoped that a variety of new promotional fares will be introduced. But Thursday is a different matter.



As you can see our Sunday flight takes a little longer than Thursday's.
About seven hours longer in fact.

Besause we feel Sunday should be Sunday: A day of relaxation. So we swoon like to take our time take a longer route, and show you a few more places on the way through.

But as far as Thursday sconcernec that's a different matter altogether.

Then we get you there as quickly as possible in seventeen hours forty induies to be exact.

Simply because our first flight to Petric was on a Thursday and we Mele the list Western airlige to fly to

Paring regularly
So we ligured that if we were going to be first, we may as well be fast. But never on Sunday.



air france le bon voyage

Air France, 158 New Bond Street, London, W.1. Reservations: 01-499 9511. All other departments: 01-499 8611. Manchester: 061-832 7831/6. Glasgow: 041-221 8054/5/6. Birmingham: 021-643 2556/8.



ABBEY NATIONAL

AS FROM 1st OCTOBER SHARE ACCOUNT PAYS

A very profitable habit it is,

too. Next month's increase

means that the interest rate

So investing with the Abbey

Yoursavings arescure.

and there's no easier way to .

You can deal with any of

National is more worthwhile

will be at an all-time high.

than ever.

Blended for smoothness-it never varies.

هكزامز زادما



It's not unusual to ask the impossible of a car. But it's a little unusual to get it.

Most people buying a new car want more than it's actually possible to give them.

They want good performance. They also want good fuel economy (which often means sluggish performance).

They want plenty of interior space. But they don't want to have to park a six foot wide monster in their garage.

They want a car that can cruise smoothly on a motorway. And corner surefootedly in a bend. But the qualities that make a car stable in a straight line can also make it less steady going round a corner.

In short, quite naturally, most people want to have their cake and eat it.

A requirement which the Audi 100LS answers to a surprising degree.

Take the engine. Though it's slightly smaller than other cars in its class it can cruise all day, without strain, at 106 mph (where the law allows). Something that other cars in its class can't

Again, the Audi's 0-60 mph rating is unusually quick (11.7 seconds). But the petrol consumption isn't: "Motor" thought 25 mpg typical (other Try finding another soloon big saloons with 25 mpg are quite a few seconds behind us).

can keep this up all day. On a long drive, you'll find we also give you the best of both worlds. With 60% of the weight over the front

wheels, the Audi follows a straight line course like an arrow (very useful on the motorway). But as arrows aren't so good at going round corners,

you might reasonably wonder about its ability to take a bend.

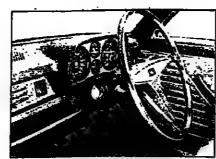


We've found a way to make an arrow go round corners.

In fact, because we have the advantage of front wheel drive, the car is pulled round the corner from the front, rather than pushed from the back (as is the case with most cars). So it corners smoothly and safely.

Another thing that helps the Audi hug the road in a bend is the fact that its centre of gravity is about 10% closer to the ground than is normal for cars in its class.

The price for that, you might think, would be that the bottom of the car would be dangerously close to the ground. But, in fact, we've carefully recessed the brake lines and the exhaust into a shallow tunnel in the floor of



fou can almost drive the Audi with your little finger.

So, in spite of the low centre of gravity, you've actually got more ground clearance than even a Range Rover. (It's 71/2" off the ground compared to our 7%").

Take the problem of parking. You'll find the Audi needs about 10 lbs less effort on the wheel than other cars in its class.

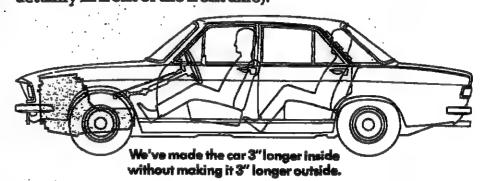
You might expect the price of this light fingered steering would be a fair amount of arm flailing to park the car.

In fact, the Audi's wheel needs just 3% turns lock to lock, which is less than virtually any other car in its class.

Look inside the car and you'll find that there, too, we've managed to give you the benefit of apparently conflicting virtues.

The passenger compartment is three inches longer than you'd expect in a car this size. (That three inches helps make it possible for two six-footers to sit, one behind the other, in

Where do we get the extra three inches from? Simply by putting the engine as far away from you as possible (it's actually in front of the front axle).



Finally, you will be relieved to know that though the Audi doesn't look clumsy and ungainly, it can actually take 20% more impact energy than the strictest regulations in the world require. Proving that a car can be built like a tank without actually having to look like one.

Go along to your local Audi NSU dealer for a test drive, and you'll discover the other near impossibility that

The not inconsiderable feat of making a luxury car with this sort of specification cost **AUDI NSU** no more than £2,227.

If you want a better car, think about it.



Audi 100LS £2,227. Manufacturer's recommended retail price including VAT and special car tax. Prices may be subject to currency surcharge.

ner Information Department, AUDI NSU (GB) Ltd., Quadrant House, Church Street, Dunstable, Bedfordshire. Tel: 0582 603171. Export enquiries to: 95, Baker St., London W.1. Tel: 01-935 0088. A member of the Thomas Tilling Group.

Highest this year as feed

stuffs take their toll

Consolidated **Plantations** Limited

Mr Dennis Pinder reports on a most exciting and rewarding year.

area under rubber has risen from 48,000 to the intention to concentrate our replant-69,000 acres and that under oil palms has ing programme on this crop. more than doubled from 22,000 to 50,000

has been greatly enhanced - international are recommending a final dividend of distribution and marketing facilities of 16.666 per cent. less Malaysian Tax. the Sime Darby Group complements our own basic processing facilities.

expansion, either by way of acquisition, land purchase or crop diversification con- ward to the benefits flowing from our tinues. I hope to be able to report further replanting programmes and the integraprogress in the months ahead.

replanting and crop diversification and in greater crop diversification will lend this respect your Company is fortunate in stability to our future growth.

Extracts from the Chairman's Review having a preponderance of land ideally Following acquisitions in 1973, the suited to the cultivation of oil palms. It is

The change in tax residence to Malaysia has made possible an increase Company's production potential in the dividend rate and your directors

The various factors which affect our business indicate that we are in a Search for further opportunities for period of relative price strength.

In the longer term we can look fortion and full utilisation of our recent Internal growth is largely geared to acquisitions where the benefits of size and

Financial Highlights for the Year ended 31st March, 1973

	£600's
Turnover	5,685
Profit before Taxation	1,776
Profit after Taxation	1,131
Net Earnings per 10p Share	2·26p
Dividends Equivalent Gross	21-6669

Copies of the Report and Accounts are available from the Company's Registered Office, 19 Leadenhall Street, London, EC3V INN.

University students need private means, says NUS leader

At present, it was restricted Oxbridge, living away from by a Government policy which home, now receive £520 a year, failed to provide sufficient and those at other universities places, and by the lack of ade-£485.

the university and college discretion of the local authority, from animals reared campuses this autumn. Help in This "should be abolished."

campuses this autumn. Help in This "should be abolished."

This should be abolished."

This follows two months in the campaign would be sought from trade unions and other groups on low, fixed incomes, student hardship caused by lack especially pensions.

Mr. Randall states the policy in necesset system, Mr. Randall says.

Mr. Randall states the policy in a new union booklet on grants.

Last May, following a perpublished to-day. Underlying the claim of the 500,000 strong NUS, he said, was the theme of open the follows two months in the main rate of grants. It came to the main rate of grants. It came to the follows two months in the by a cut-back in production following last year's glut. This with special offers off-set meant that the FT shoppers were having to pay an average of 5p inscrease compares with a drop more a dozen for large eggs. In of 1.26 points in September last some shops the increase was as published to-day. Underlying the claim of the 500,000 strong NUS, he said, was the theme of open the main rate of grants. It came claim of the 500,000 strong NUS, the main rate of grants. It came he said, was the theme of open into effect this month. Students

published to-day. Underlying the sistent increased by £20 government increased by £20 the main rate of grants. It came into effect this month. Students on full grant at London and access to further education. At present, it was restricted Oxbridge, living away from boy a Government policy which home, now receive £520 a year. It is month's rise is in some of places, and by the lack of ade-£485. Tory protest over London Tory protest over London School board banning Tory protest over London Angry tories on the Inner were church schools in boroughs Take longer Take longer This month's rise is in some of the flower went up by over 2 per cent. It was restricted to provide sufficient and those at other universities biggest single monthly rise of all the situation in manufacture month taking the total bill for food was in frozen food we went up by over 2 per cent. It was provide first time since the index started. September. Frozen plaice it was provide the following than this year's per cent. up on last month a packet more than last more applied to a despite relatively stable lamb and there were increases of the total bill for food was in frozen food we went up by over 2 per cent. The total bill was just under were selling at an average of the following than this year's per cent. up on last month a packet more than last more applied to the following two months. The flowing two months. The schools the index down in month while short become and there were increases of the total bill for food was in frozen food we went up by over 2 per cent. The total bill was just under were selling at an average of the flowing than this year's per cent. Up on last month is a packet more than last month a packet more starled in the construction in month while short become and there were increases of the total bill was just under the flower per last month is the flower per last month in the month is a per last prices. The form is the flower per last month is the main take to a per last prices to a packet more than last month is

the Labour majority group from Lambeth, serving as governors at volun-

opponents. It is incredible that one-party government should be adopted by self-professed democrats."

The number of Conservative seats on other Inner London school boards has also been halved from four to two, says the

Labour had ruled that only Tories. its own members shall qualify Labour has rejected their pro-for places at 27 voluntary-aided tests, and Mrs. Geddes has grammar schools to which the written to Mrs. Margaret authority appoints five or fewer Thatcher, Secretary for Educa-

ANGRY TORIES on the Inner were church schools in boroughs
London Education Authority including Hammersmith, Kenclaim they have been banned by
the Labour majority group from
the Labour majority group from

"In a desperate effort to force tary-aided London grammar comprehensive education on schools.

Mrs. Diana Geddes, leader of bully-boy tactics. The result is the ILEA Conservatives, said: that thousands of parents, who "The ban is an affront to demo- are far from socialist inclined, cratic local government. The will have socialist policy Socialists caucus has succeeded foisted upon them without question at directive, in removing its tion at board level."

OLD INDEX

1964: Nov. 100; Dec. 102.35. governors, she claimed. tion and Science, informing her Most of the schools affected of the position.

PRIVATE MEANS are becoming quate financial support for more and more necessary for students going to universities, "Increasingly, further and more necessary for students, "Increasingly, further and students going to universities, "Increasingly, further and on fresh foods in the shops.

THE RECENT run of prices sion, and though the fall in world controlled by the Price Common prices may make it difficult sion. The sugar and tea category is now beginning to take its toll for them to justify more, it will was up only 7p and can out fresh foods in the shops.

The Figure Common prices sion, and though the fall in world controlled by the Price Common prices may make it difficult sion. The sugar and tea category is now beginning to take its toll for them to justify more, it will was up only 7p and can out fresh foods in the shops.

The Figure Common prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea category has been prices may make it difficult sion. The sugar and tea ca students going to universities, "increasingly, jurther and of the National Union of the National Union of Students, says.

In the effort to get adequate grants, rent strikes and catering acute in further education where boycotts would be back again on most grants were made at the the university and college discretion of the local authority.

In the effort to get adequate grants were made at the the university and college discretion of the local authority.

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In the effort to get adequate grants were made at the the university and college discretion of the local authority.

In the effort to get adequate grants were made at the the many problem was most grants were made at the the university and college discretion of the local authority.

In the effort to get adequate grants were made at the five weeks to particularly in view of the tables now coming into the shade of eggs, pig extent, to increases in eggs, pig extent, to increases in eggs, pig meat and chicken—all products showed a small increase in price.

In the effort to get adequate grants were made at the five weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the tables now coming into the shade weeks to particularly in view of the five weeks to parti

September וצנד

DAIRY PRODUCE, FATS, EGGS, ETC., SUGAR, TEA, COFFEE AND SOFT DRINKS BREAD, FLOUR, CEREALS, BISCUITS AND CAKES PRESERVES AND DRY GROCERIES SAUCES AND PICKLES 4.81 24.53 21.77 102.78

PROZEN FOODS MEAT, BACON, ETC. (FRESH) FRUIT AND VEGETABLES 382.40

1965: Jan. 101.A1; Feb. 102.23; Mar. 102.58; April 103.16; May 103.70; June 105.28; July 105.88; Aug. 10 Sept. 103.66; Oct. 103.13; Nov. 103.95; Dec. 105.93.

1966: Jan. 105.80; Feb. 104.66; Mar. 105.39; April 106.78; May 108.21; June 109.90; July 109.34; Aug. 16 Sept. 107.74; Oct. 168.81; Nov. 107.47; Dec. 108.16.

1967: Jan. 108.85; Feb. 108.20; Mar. 107.66; April 108.20; May 109.75; June 113.96; July 110.45; Aug. 10 Sept. 106.18; Oct. 106.66; Nov. 107.58; Dec. 111.57.

1968: Jan. 112.91; Feb. 112.12; Mar. 111.75; April 112.10; May 112.68; June 114.75; July 112.20; Aug. 11 Sept. 111.12; Oct. 111.47; Nov. 112.06; Dec. 114.49.

1969: jan. 114.80; Feb. 116.70; Mar. 117.67; April 118.31; May 120.57; jane 122.92; July 121.59; Aug. Sept. 117.48; Oct. 118.14; Nov. 178.83; Dec. 121.23.
1970: jan. 122.04; Feb. 128.05; Mar. 123.70; April 125.82; May 126.32; June 129.76; july 129.42; Aug. Sept. 127.03; Oct. 126.67; Nov. 127.68; Dec. 128.5.
1971: jan. 131.23.

CANNED FOODS

1971: Feb. 100; Mar. 101.09; April 102.73; May 105.75; June 108.00; July 107.24; Aug. 105.40; Sept. 10 Oct. 104.35; Nov. 105.48; Dec. 108.26.

1972: Jan. 109.18; Feb. 109.10; Mar. 109.24; April 108.04; May 109.36; June 115.97; July 111.97; Aug. 1 Sept. 112.14; Oct. 113.15; Nov. 11: 114.48; Nov. 18: 114.49; Nov. 25: 114.72; Dec. 2: 11 Dec. 9: 114.75; Dec. 36: 115.77. Jan. 117.56; Feb. 119.25; Mar. 120.53; April 123.80; May 125.27; June 128.81; July 127.64; Aug.

ENTERTAINMENT GUIDE

OPERA & BALLET	THEATRES	THEATRES
COVENT GARDON THE ROYAL OPERA TOMOTOW at 7 & Set. 6: Wasner' TANNHAUSER, Wed. at 7.30: Puccin' TURANDOT, 040-1085.)	BREENWICH, 858 7755. Evenings 8.0.	SAYOY, 816 8888, First Near-C 7 p.m. subs. 8, Sats. 5 & 6, We JOHN MILLS DULCIE GRAY, MICHAEL D In William Douglay-Home's sem AT THE BND OF THE DA Reduced Price Preview Oct. 2
TOMOTOW at 7 & Set. 6: Washer'	MREENWICH. 858 7758. Evenings 8.0. Mat. Sat. 5.0. COMPANY THEATRE IN MOT DROWNING BUT WAYING A comady with Geraldine McEwan.	7 p.m. subs. 8. Sats. 5 4 8, Wa
TURANDOT, (240-1068.)	. A comedy with Geraldine McEwan,	DULCIE GRAY, MICHAEL D
COVENT GARDEN, THE ROYAL BALLET	GLOBE, 437 1892, 2ND YEAR.	AT THE END OF THE SA
COVENT CLARDEN, THE ROYAL BALLET Thurs, & Pr. at 7.30; ALLEGRO BRILL LANTE SCENE D'AMOUR, TILL, LE PATINEURS, Seats evaluable from 809	LOSE 437 1892 2ND YEAR, Eys. E48. Seth. 95 400 end 440. JRL SENNETT, JOHN STANDING IS NOT COWARD'S PRIVATE LIVES	Meguced Price Preview Oct. 2
		SHAW, 388 1384. Royal Lycott THE SEVELLESS by Roddy & Opens Fri, 7.0, Subs. 8.0, Mat. 1 Preview Thurs. 8.0—ell seats 3
COLISEUM. 836 3161	"Srillantly funny play," Times.	Secus Litt v.o. anny orni wat
AUSTRALIAN BALLET	HAYMARKET. 930 9832. Evenings 8.0.	ET MARYING STATES
quest artists Rudolf Nureyes and Rober	WENDY HILLER PETER BARKWORTH	ST. MARTIN'S, 836 1443. Evs. 2.45. Sal 5 and 8, "COLIN WEL SHARPLY FUNNY BLOCKS
COLISEUM. 730, 3st. 230 and 7.30 Oct. 2-10, 752 And 8 ALTS Oct. 2. 3 5 5 seed 8 DON CUTXOTS guest artists Rudolf Mureyer and Robert Helpmann, Nurryey perts, Oct. 2 5 4 and 8 eve. Good seats available Oct. 3	HAYMARKET. 930 9832. Evenings 8.0. MEL. Wed. 2.0. Set. 5.0 and 8.13. WENCY HILLER PETER RARKWORTH COWN MATRIMONIAL "A RIGHT ROYAL SUCCESS." D. Exp.	News of the World.
COLISEUM. Sadier's Wells OFERA	HER MAJESTY'S, 930 6806.	"THE BEST FIRST STAGE PLAY
COLISIUM. Sadier's Weile OPERA Tomorrow and Fri. at 7.30: LA TRAVIATA ". enticingly rich and stylink" Times Wed. and Sat. at 7.30: L. TROVATORE Thurs. at 7.30:	HER MAJESTY'S, 930 6806, Evenings 7.30, Mats. Wed. and Set. 2.30 LAUVEIN BACALL APPLAUSE. "A Hit" D. Rep., Evening Stundard Award Best Musical, Last weeks. Must terminate October 6.	SHARPLY FUNNY BLOCKE News or the World. SAY GOODNIGHT TO GRAM "THE BEST FIRST STAGE PLAY RECALL FOR A GREAT MANY Y BY, News, "LOTS OF LAUGHS FBW TEARS." DIY, MIRROR, D. BESTS, Last Week.
Wed, and Sat. at 7.30:	APPLAUSE, "A Hit," D. Ize.	PEW TEARS," Dly. Mirror, D
IL TROVATORE	Last weeks. Must terminate October 6.	ST. MARTINS. Transl, here Oct. Savoy. Lloyd George Knew My
THE MINES OF SULPHUR	LYRIC. 437 3686. Evenings 9.0. Mat. Wed. at 3.0. Sat. at 5.30 and 8.30 ALSE GUINNESS In HARRAS CORPUS	Savoy, Lloyd George Knew My
	ALSE GUINNESS	STRAND. 835 2650. Evenin Sat. 5.30. 8.30. Mat. Th. 3 Jean Kent. Liza Goddard Richard Caldion
SADLER'S WELLS THEATRE, Roseberr Avenue, E.C.1. (837 1672.) 16 Sept. 18 MonFri. 7.30. Saturday B and 8.15. BALLEY RAMBERT		Jean Kent, Liza Coddard
BALLET RAMBERT	MAY FAR. 829 3036-7, Eves. 8.15, Sal. 6.15, 8.45. NIGEL HAWTHORNE IN BOR Comedy of Year. E. Std. Awd. '70, THE PHILANTHROPIST	Richard Caldicot. David James NO SEX PLEASE, WE'RE ER
and ENGLISH OPERA GROUP Oct. 3	Best Comedy of Year. E. Std. Awd. 70.	"HYSTERICALLY FUNNY," Sun
Oct. 3-27 Season by THE ROYAL BALLET and ENGLISH OPERA GROUP Oct. 3: Gala Tribute to John Cranto. Full details from Box Office (837 1872).	by Christopher Hampton, 4th YEAR "Gloriously, Bortously funny." 5. Times.	STRATFORD-UPON-AVON ROYAL
	T - Gravionsia' Brotionera insula'. '9' Tiwiel'	ROMEO AND JULIET EVES
THEATRES	MERMAID. 248 7655. (Rest. 248 2825). Evel. 8.75. Wed. and Sal. 5.30 and 8.15. AN INSPECTOR CALLS by J. B. PRIESTLEY Parising Machinel	Live: Oct 3. RICHARD II RK
ADM 884 835 7811	AN INSPECTOR CALLS	IF Mats: Sep 27, Oct 4 Eve:
Evs. 7.30. Mats. Thurs. 3.0 and Sec. 4.0.	"Exciting theatrical experience remarkable production." D. Tel.	LOVE'S LABOUR'S LOST EVEL: C TAMING OF THE SHREW MAR:
EVE. 7.30. Mats. Thurs. 3.0 and SRE. 4.0. LAST 6 DAYS TO SEE LONDONS GREATEST MUSICAL ENGW BOAT	NEW LONDON THEATRE. 405 0072.	Eves: Sep 24. 25. Party bookings
MOS! CLOSE SELIEMREK SAM	Parker Street Drury Lane, W.C.2.	BTRATFORD-UPON-AYON ROYAL SOMEO THOUSEN A FW SCRIZ JURIAL ROYALD TO THOUSEN THE THOUSE THE THOUSEN THE
ADELPHI. 836 7611. Opening Wed. 10th October, SALLY ANN HOWES, PETER WYNGAMERSTEIN'S RODGERS & HAMMERSTEIN'S THE KING AND !	THE SMASH HIT	
PETER WYNGARDE ID		From 5.15. Dining and Dan At 9.10 New Revue DREAM Mi
THE KING AND I	and a rollin' on their nuts and boits."	Opening tonight 11 pm: JAMES DARREN
ALBERY (New). 836 3878, FYS. 8.0, Mats. Thurs. 3.0, Sats. 5.30 and 8.30, INGRID BERGMAN	Sún,	Parker Street, Drucy Large W.C.
INGRID BERGMAN	New Victoria, Opp. Vic. Str. 834 0671.	THE LONDON ROOM. Res. 01-40 Parker Street. Drury Lane, W.C. Buffet and Bar 6 p.m5 p.m. (£1. Inc.). Re-opens Dining-Dancin 9-40. Visit London's most Bettaugen bille Esse
JOHN MCCALLUM, BARBARA FERRIS, MICHAEL ALLINSON DOROTHY REYNOLDS THE CONSTANT WIFE	Twice rightly at 6.15 and 8.45 A FABULOUS NEW PRODUCTION BLACK AND WHITE	9.40. Visit London's most
THE CONSTANT WIFE	MINAI KEL SHOW OF 1975	Covered car parking for 300-52 MIDNIGHT IN CABARET TONIA BERN-CAMPBELL
By Somerset Maugnam, Dir. John Gielgud ALDWYCH, 836 5404, RSC's 1973-74	Book now. 50p to £1.50. LONDON'S GREATEST ENTERTAINMENT VALUE. LIMITED RUN, MUST END DEC. 8.	TONIA BERN-CAMPBELL
By Schmerset Maugham, Dir. John Gielgem ALDWYCH, 836 5404, RSC's 1973/74 London Season, THE ROMANS Shaketbeare's 4 Roman Plays. ANTONY & CLEOPATEA ITONIGHT, tomorrow & Wed, 7.30, Oct. 51; JULIUS CARSAR (Wed, 2.0, Fri. 7.30, Jul. 2.0 & 7.30, Oct. 1, 2, 3, 4); TITUS ANDRONICUS (Thur. 7.30, Oct. 6 math; Booking also open for CORIGILANUS. RSC also at The Place—see under P.	LIMITED RUN, MUST END DEC. 8.	THE PLACE, Dukes Rd. Eusto 0031. From next Tues: Roval peare Company in special seaso new plays: all tickets \$1.00 up non-members! repertore leafer able, onclose \$22. RSC also at See under A.
ANYONY A CLEOPATEA	OLD VIC. THE NATIONAL THEATRE, U22 7616.) Tonight 7.30: THE CHERRY ORCHARD Wed. 7.30. THE FRONT PAGE Fri. 7.30. Sat. 2.15 and 7.30: EQUUS	peare Company in special seaso
JULIUS CAESAR (Wed. 2.0, Fri. 7.30.	Wed. 7.30. Thur. 2.15 and 7.30:	non-members): repersone leaffer
ANDRONICUS (Thur. 7.30, Oct. 6 mat.);	Fri. 7.30. Sat. 2.15 and 7.30:	- see under A.
RSC also at The Place—see under P.	EQUUS	VAUDEVILLE, 836 9988. Fully a Evenings 8.0 Sat. 5.30 and 8 "KENNETH MOORE IS always A DELIGHT." E THE THE SALE THE THE THE SALE THE THE SALE THE THE THE SALE THE THE THE SALE THE THE THE SALE
AMBASSADORS. 836 1171. EVES. 8.Q. Mats. Tues. 2.45, Sats. 5.00 and 8.00. Agetha Christie's THE MOUSETRAP 21st COMING-OF-AGE YEAR	PALACE, 437 6834. Mon. to Thur. 8.0, Fri. and Sat, 6.00 and 8.40. JESUS CHRIST SUPERSTAR	KENNETH MOORE
Agatha Christie's THE MOUSETRAP	JESUS CHRIST SUPERSTAR	IS Always A DELIGHT." E. SI
APOLLO, 437 2663. Evenings 8.0.	PALLADIUM. 437 7373.	"Bubbling comedy with perceptive." D.Mir "Great tun."
APOLLO, 437 2663. Evenings 8.0. Matinees Thurs. 3.0. Sat. 4.0. Television's adorable WENDY CRAIG	PALLADIUM. 437 7373, Mishiy 6.15 and 8.45 Cill.A in THE CILLA BLACK SHOW A New Autumn Spectacular JOHNNY HACKETT. PHILIPPE GENTY Guest Star ROGER WHITTAKER and Co.	Everyings B.O. Wed., Sar. 6.0 and
WENDY CRAIG	JOHNNY HACKETT PHILIPPE GENTY	VESTMINSTER C. D.MIT "Great Jun." VICTORIA PALACE. Evenings B.D. Wed. Sar. 6.0 am A Spectacular Night Out THE MAX EYGRAVES SHO MUST TERMINATE SEPT. 22 OPENS OCT. 4 6.15 and 8 SIDNEY JAMES. BARBARA WII KENNETH CONNOR. BUTTERWORTH in the SI CARRY ON LONDON WESTMINSTER C. DUIS CARRY ON LONDON
IN AR evening of sheer delight FINISHING TOUCHTS Directed by NIGEL PATRICK	BUOTHING OVE DOLL	MUST TERMINATE SEPT. 2
CAMBRIDGE, 836 6056, Mon. to Thurs. R	Evenings 8.0. Sat. 5.0 & 8.40. (Mats, Weds, S.O. All seats El.) TWO GENTLEMEN OF YERONA	SIDNEY JAMES, BARBARA WIL
CAMBRIDGE, 836 6056, Mon. to Thurs. 8, Fri. 5.15 and 8. Sats. 5.45; 8.30 "A SPECTACULAR PERFORMANCE"	TWO GENTLEMEN OF YERONA	BRESSLAW, JACK DOUGLAS.
(DRILA MILLOL)	THE HIT MUSICAL by the composer of Hair. Let the Sun Shino In. Aquarius, "A Riot of Fun." Sun. "Super Songe." D Talegraph	Spectacular Laughter Royue
in London's new—cornedy Smash-Hig TWO AND TWO MAKES SEX "A MERRY-GO ROUND OF MISUNDERSTANDINGS," 10. Telegraphi "PLENTY OF FUN." (The Times) "A MILARIOUS ROMP" (People)	Shine In. Aquartus, "A Riot of Fun," Sun, "Superb Songs," D. Telegraph.	WESTMINSTER (2 mins. Victoria S
" "A MERRY-GO ROUND OF	SPECIAL PARTY RATES AVAILABLE	854 0283. Evenings at
"PLENTY OF FUN," (The Times)	7.30, Sats. 5.0 and 8.30. Fully air cond	MARGARET LOCKWOOD
"A HILARIOUS ROMP " (People)	PICCADILLY, 437 4505. Mon. to Fri. 7.30. Sats. 5.0 and 8.30, Fully air cond. ANGELA LANSBURY in	John Stone in NOEL COWAR
CLASSIC CHELSEA ALIVE ON STAGE—Mon. to Thurs. at 9,00. Fri. Sat. 8.00 and 10.00. THE ROCKY HORROR SHOW	" SMASH MUSICAL" D. Exb.	WESTMINSTER (2 mins, victora 8 834 0283, Evenings at 521 5.0 and 8.30. Mars, West MARGARET LOCKWOOD JOYCE Blair, Gwen Cherre John Stone in NOEL COWNER RELATIVE VALUES "Such a delight . , Margaret Lo "Jis a trumph." D. Mail. "Jis a trumph." D. Mail.
9.00. Fri., Sat. 8.00 and 10.00. THE ROCKY HORROR SHOW	PRINCE OF WALES, 930 8681, Comm.	"The dialogue sparkles." S.
COMEDY. 930 2578. Evenings 8.00.	8.0. Wed., Fri., Sat. 6.10, 8.45.	WHITEHALL, 930 6692-7765, 50
Mats. 1897s. 3.0, 541. 5.15 and 8.30.	PRINCE OF WALES. 930 8681. Comm. Thurs. at 7.0. Subs. Mon., Tues., Thurs. 8.0. Wod., Frl., Sat. 6.10. 8.45. THE VAL DOONICAN SHOW DAILEY & WAYNE, Limited Season.	WHITEHALL, 930 6692-7785. St. Evs. 8.30. Wed. and Sat. 6.15 and "MEN ONLY" MAGAZINE'S FA
SAVAGES by CHRISTOPHER HAMPTON "FAR AND AWAY BEST PLAY AND PERFORMANCE IN WEST END." F.T.	OUFFIRS THE TANK THE TANK OF STREET	REPORTER FIONA RICHMO
PERFORMANCE IN WEST END." F.T.	Jim Dale A STAR PERFORMANCE."	REPORTER FIONA RICHMOL IN PAUL RAYMOND'S PYJAMA TOPS
CRITERION, GEO 1716 Man to Co. O.	QUEEN'S, 734 1166, 7.30 Th. Sat. 2.30. Jim Dale "A STAR PERFORMANCE." Tel. Millicont Martin. Joan Hickson, Marti Webb and Dinsh Sheridan in TRIUMPHANT, THE MOST VITAL MUSICAL I HAVE SEEN." S. Times. Special Party Rates. Ring A37 2860	WYNDHAM'S. 836 3028. Mon. to at 8.15. Fri. and Sat. 6.15 and
Sat. 5.30 and 8.40. Matinee Wed. 3. Richard BRIERS, Shella HANCOCK, Anna CALDER-MARSHALL, Michael	"TRIUMPHANT, THE MOST VITAL	"IS MAGNIFICENT." SUNDAY
CALDRIDIA DAVIN BILBYS DELEGAL	MUSICAL HAVE SEEN." S. Times. Special Party Rates. Ring 437 2860.	YOUNG VIC (by Old Vict BOR
TURNER IN Alan AYCKBOURN'S ABSURD PERSON SINGULAR "FUNNIEST COMEDY IN TOWN." E.S.	RAYMOND PEVUE PAR MICES	YOUNG VIC (by Old Vic). 928 Tat. 8. FRENCH WITHOUT TEAT
"FUNNIEST COMEDY IN TOWN." E.S.	734 1594. 7.30 and 10. p.m. PAUL RAYMOND'S SPECTACULAR	
DRURY LANE. Evenings 7.30. Mats. Wed, and Sat. 2.30. "ANNA NEAGLE IS radiant." D. Mir. ANNE ROGERS. THORA HIRD TONY EDITYON.	GLAMOUR EXTRAVACANTA	CINCHAS
"ANNA NEAGLE IS radiant" D. Mir.	THE GOLDEN GLITTER	CINEMAS ABC 7. SHAFTESBURY AVE. 01 831
	DOUBLE SET AND	
NO, NO, MANEGER	Evenings 8.0. Fri. Sat. 6.0 and 9.0	2.00, 5.40, 8.35. ALL SEATS
"It's tes. Yes. Nanche" i Maue	Frenings S.D. Fri. Sat. 6.0 and 9.0. THE RETURN OF PETER COE'S SENSATIONAL RECORD-BREAKING DECAMERON 73	ABC 2. SHAFTESBURY AVE 01 830 DIAM ROSS LADY SINGS THE BLU
DUCHESS. 836 8243. Opens Thurs. 7.0.	" . SEX Should be fun and to	
DUCHESS. 836 8243. Opens Thurs. 7.0. Suhs. 8.0. Sat. 5.0 & 8.30. Mat. Wed. 2.45. Reduced price previews Gally 8.0. Donald SINDEN. Joan GREENWOOD in IN PRAISE OF LOVE	" Sex should be fun. and to, as here naked and unashamedly displayed. It is " E. News.	THE PERIOD DAME
IN PRAISE OF LOVE	ROYAL COURT. 730 1745 Control	ASTORIA, Charing Cross Rd. (580 Roger Moore as James Bo
by Terence RATTIGAN. Directed by John DEXTER.	ROYAL COURT. 730 1745. Redcd. price prevs. To'nt. & Tue. 7.30. Opens Wed. at 7. Sub.evs. 730.	Roger Moore as James Bo LIVE AND LET DIE (A) Cont. Progs. Week and Sun. 2.30. 8.10. Feature 3.00, 5.50, 8.40
DIRECTOR OF JUSTIN DEATER.	PANID STADENS	8.70. Feature 3.00, 5.50. 8.40.

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* When you want to renew a 'red cover' full driving licence which expires on or after 31 October 1973, you should apply in the usual way to your Local Taxation Office.

They will send on your application with your licensing record to the Driver and Vehicle Licensing Centre at Swansea.

* Your new licence will be posted to you from the Centre. It should arrive within

three weeks.

* You are entitled to drive in Great Britain while you are waiting for your licence to arrive.

The Local Taxation Office will have given you a receipt for your application; this will act as a temporary driving licence.

If you are asked to produce your licence (for instance by a police officer) you can show this receipt instead.

* But if you want to drive abroad before your new licence has arrived you will need to take an International Driving Permit with you.

You can get one by taking your receipt and a passport-type photograph to any AA, RAC or RSAC office.

*You may if you wish apply for your driving licence up to two months in advance.

You can get an application form from a Local Taxation Office or Post Office.

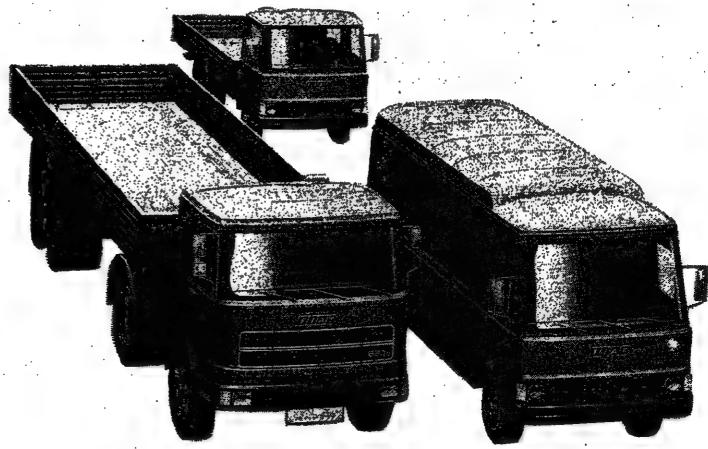
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EQUIPMENT

all one can really do is to a the package or the exter appearance in order to try get some sort of edge on

This may have been the thing behind the latest She calculator, in which one mildly surprised to find rows of keys and the digrunning parallel to the long dimension of the case.

The machine, the Sharp EL

the marketing approach is en

matches in price so many of good-quality Xmas pres. that fond parents give to the children. and Bosco: fore-

this being a popular and his worthwhile stocking filter year as the EL 120 is ideal

machine offers twelve digital

homework schoolwork he hold bills and as a shop;

Parade. Sevenouks, Kent,

competition.

The Technical Page

EDITED BY ARTHUR BEHHETT AND TED SCHOETERS

RESEARCH

Giant pulse from fusion laser

RESEARCH at Sandia Labora- Experiments with the laser are in the production of highly decades in the future. The tories, using an intense beam of a part of Sandia's research pro- excited bydrogen-fluorine mole present maximum output of the peak power level may have electrical power.

brought the production of energy electrical power.

brought the production of energy electrical power.

but to produce excess energy in a concentrated burst of photons in the infra-red from laser-induced fusion closer

electrons which pulsed a hydro- gramme using lasers and elec-cules possessing excess energy. Sandia laser is about 225 joules

Laser-induced fusion, the region of the spectrum-object of extensive research in

gen fluoride (HF) laser to a new tron beams to explore the feasibipeak nower level may have lity of laser fusion to produce. The molecules give off this output can be boosted to well output can be boosted to well over 1,000 joules using one of the larger electron-beam machines on the site. However, it is not

beam, the laser produced a 55 thousand-millionths of a second pulse with a power output of about 4000 Megawatts, or enough energy momentarily to light 40m. This pulse is one of the largest ever generated by a gas laser and is some 45 times greater than the maximum energy level previously confirmed for an HF laser.

object of extensive research in laboratories in the U.S. and abroad, involves the use of high-laser fusion, efficiency will be important and involves the used in pellet irradiation in its irradiating a pellet of deterioum relating a pellet of deterioum with the present form.

In laser fusion, efficiency will be important and involves the used in pellet irradiation in its irradiating a pellet of deterioum with the pellet to 10,006 times liquid density, leading to fusion of the way to new lasers which will density, leading to fusion of the way to new lasers which will density, leading to fusion of the way to new lasers which will density, leading to fusion of the way to new lasers which will density, leading to fusion of the way to new lasers which will density, leading to fusion of the way to new lasers which will density, leading to fusion of the way to new lasers which will density, leading to fusion of the way to new lasers which will density, leading to fusion of the pellet to 10,006 times liquid the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet to 10,006 times liquid the present study has pointed the pellet

MATERIALS

construction when laying con- sion joints.

iont Sakelite xylonite's Croydon-based Expanded Rubber and Plastics Division has developed a reinforced expansion joint filter and seal system known as "Evamex." It is designed to eliminate the costly problem of alternate bay lay temporary fillers for expandent from the industrial Division of construction when laying construction when laying

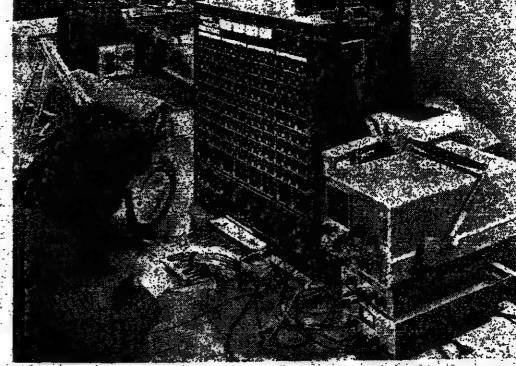
West Wickham, Kent.

Known as "Solvakote Super. the pale brown preservative replaces four earlier grades: Solvakote HR, Solvakote HS, Solvakote Red and Solvakote Straw. Having a film thick-ness of about 15 microns. Solvakote Super" can provide outside protection for up to eight months.

Surface drying time is about minutes under norma from the Industrial Division of ambient temperatures and in Duckhams Oils, Summit House, humid conditions, and a tack-free surface takes about 60 minutes

ELECTRONICS

Computers make computers in Galway



THERE MUST be many many wage rates for the girls on the facturers who would think twice shop floor start from £12.50 per before setting up a high 40-hour week; Shanon airport coast of Ireland, with no pool of and above all, perhaps, labour experienced labour, rather rudip oneching by other companies is mentary communications and almost zero—there is only one something of a remoteness from other electronics plant within the appropriate market areas.

But Digital Equipment Corporation, headquartered in note by husinessmen thinking of Maynard, Mass., took the plunge starting something in, say, the administration of production headquartered in note by husinessmen thinking of a tellogoo-gourne-foot plant at Baltybrit, Co. Galway, now employing nearly 600 local people, nology, high value per unit. Based on similar experience of volume products attracting only ransport costs in Puerto Rico and reasonably low transport costs from the nost labour force, items can operate successfully in and last year, including machines such areas. To date, however, from its original old plant, one DEC is the only computer mane.

Looking for faults in com-

shipped from Galway. Production at Ballybrit techniques are normal enough. The answer to such production the PDP-8 and PDP-11 but one could not walk far round.

and last year, including machines such areas. To date, however, Automatic Insertion of resistrom its original old plant, one DEC is the only computer mannetors, capacitors and integrated thousand minicomputers were facturer in Ireland. by Bosco, of S. White 1

Republic's government have pre- punches, display terminals, disc the interesting if earlie sight of pared the way, with local govern- and tape controllers and memory a PDP series machine checking ment; the most modern computer- systems.

The significant feature, how cate of itself.

Were installed from the start; ever, is that the whole of the GEOFFREY CHARLISH

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Experts to assess fire risks

DRAMATIC consequence of fires are always available to visit and Company (Manchester), of in public places need no undersites to undertake investigations. Liverpool.

They have confirmed select samples and make on-the the imperative requirement to spot assessments. Research take more positive steps to projects aimed at understand using John Kerr's foam inerting commas indicating how a reduce such hazards to the ing the factors controlling the and blanketing process.

The Kerr nitrogen foam projects aimed of fires will and blanketing process.

The Kerr nitrogen foam projects aimed out.

The Kerr nitrogen foam projects aimed digits to appear are one or projects aimed at understand.

The Kerr nitrogen foam projects aimed at the aimed commiss had called up to get all the figure countries.

The head this new department filed in the U.K. and overseas, is machine which simply incressed.

take more positive steps to the ing the factors controlling the reduce such harards to the ing the factors controlling the science can achieve.

Yarsley Testing Laboratories, a division of Fulmer Research 1. To bead this new department from fill the search for fire tasts in accordance with British Standard B.S. 476 and other specifications, including some European and American. This has given them unique experience of the performance of materials under fire conditions as apply in buildings and all places where people gather, as well as road vehicles and ships.

An important extension to this service just decided on, is a new department formed to consider a meet of the performance of materials under fire formance of materials under fire of the performance of materials under fire including a comprehensive sange and ships.

Yarsley operates from The gather, as well as road vehicles and ships.

The standard formance of materials under fire of the performance of the performance of materials under fire of the performance of materials under fire of the performance of materials under fire of

and ships.

An important extension to this service just decided on, is a new department formed to consider other aspects of fire bazards, including ad hoc tests

Inert foams on actual structures and installa-tions in order to demonstrate

PETROLEUM

PRODUCTS

Also a large variety of fire and related tests beyond the scope of British Standards will be carried out where required. WORK Safer An example is ball valve testing to the Oil Companies Materials WORLD-WIDE joint safety foam

tendency to foam.

Oilfield water injection

developments in modern boiler parts per million, and cannot be technology. Oil production tech-adversely affected by foaming or

niques pose completely different incorrect liquid distribution as water descration problems. To are conventional packed tower maintain certain types of oil-systems. In other North Sea fields at optimum pressure, applications plants incorporating water is injected to replace the natural gas stripping are being oil as it is extracted. This water adopted

pany of Ely, Cambs, is intro- a trailer. The smaller models

ducing a new range of trailed/ can be equipped with a handle-skid-mounted, engine driven bar for manual propulsion from

pose sprayer units. No pto or The spray boom or hose real 3-point linkage is required for mounting can be strached to the operation.

There are four chassis assembly according to spray mounted models with capacities application requirements and the ranging from 44 to 110 gallons, 100, feet hose reel attachment.

Each can be supplied as a com-enables spraying of areas inac-plete trailed unit or with skid cessible to a vehicle such as boards for mounting on to any flower beds and orchards.

Sensitive valve actuator

NEW from the Schrader Fluid way spool valves of this kind.

Power Division, Cannock, Staffs, The wire sensor is normally

is an ultra-sensitive actuator, part of the valve but it can be which extends the flexibility of removed from its housing and the company's i inch midget attacked to the end of a nylon speel valve range.

Developed specifically to eater longer than 12 inches, there is for the increasing number of very little difference in the

advanced pneumatics applica- valve response time. It can also

tions which require a very be bent or formed by hand to sensitive trip action. It has a enable it to be fitted into a conwire sensor or "whisker" to fined space or triggered by operate either three-way or four-awkwardly-shaped components.

horticultural and general pur-one working site to another.

All purpose sprayers

digit is displayed. The remail of the digits in the nm Such a degree of inconveni

We keep industry on the move; at this moment Wade Air Blowers are solving the problems of pnuematic bulk handling in factories and on

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roli)-perpose air morphers to do just this Olympia September 25th 28th, Stand 17.

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Coventry-Darlington-London • OFFICE Sideways calculator launched MOST MARKETEERS are agr that since many consur-products—petrol, oll, deterge are good examples—cannot altered much in terms of the function and basic composit

chemicals. These may be liquids gases, particularly hydro Fewer buttons carbons.

Welding, cutting and other display could just as easily external hot-work treatment can applied to setting up the performed safely on tankers culation in the first place and other such units without it is likely that before

the need for complete internal machines will appear in w cleaning. British Oxygen savs.
This would cut considerably the to the Oil Companies' Materials' WORLD-WIDE joint safety foam down-time of such lanks and in Association specification governating mandatory acceptance tests land-based applications as well well as the time taken over as ships and vessels in dock are asfety precautions and preparation to be provided by the British tion before cutting for dismantatesting facilities, Yarsley staff Oxygen Company and John Kerr ling, removal or disposal.

For oil rig applications, ease would be set up similarly of erection and continuous auto- sequence. matic maintenance-free operation

essential. The composite Hick might be acceptable because Is essential. The composite rates and magnification of the second systems are skid mounted, incorporate simple control systems and novel semi-conductor chip primary and semi-conductor chip primary and semi-conductor chip primary assets. HICK Hargreaves and Co. mem- has to be descrated to a very ber of the Electrical and low oxygen content, particularly ber of the Electrical and low oxygen content, particularly. Industrial Securities Group, has in offshore systems where sea-extended the application of its water is used. The problem has descration know-how into oil- been to develop really effective but well-proven special antifalling and mechanical asset. corrosive linings.

Hick Hargreaves, Soho Ironworks, Crook Street, Bolton BL3

GEOFFREY CHARL deld waterflood systems. Appro- low-cost deseration systems to priate new processes and designs handle cold, salt-laden, waters of deseration systems have been which often have a pronounced patented.

Hick Hargreaves has been a Various new designs specific large supplier of deseration ally adapted to the special cirplants—mainly for water—for cumstances of each oil rig are over twenty years. The trend in hand. For certain Middle in development has been to Eastern locations the company is instal plants to work at increasproviding multistage vacuum legly high temperature and deseration systems which achieve pressure levels in line with the an oxygen content as low as 0.02 developments in modern holler parts per million and connect be

vehicles.

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2 Building and Givil Engineering

arnstaple to get new hospital

there will be specially bed wards for surgical, tric, geriatric and psychiat

t. which will cover an area tost 28,000 square metres. Contract be Clarke, Nicholis and l. with quantity surveyors and Hope.

AN OVER Film contract for the redward property of the redward property o

wers for :lford

DCAL CRANG HIST MITH

Centra!

rards & Wallington.

sulting engineers on the Newcastle

Buchan and Company has furthern part of the town.

NBP's current £5m. commercial investment programme, is in Fenkle Street and includes a ground and lower ground floor Development Corporation retail area of 37,000 square feet, three floors of offices totalling 24,000 square feet and car parking for 450 cars.

NBP's current £5m. commercial investment by investment programme, is in Fenkle Street and includes a ground floor provided and lower ground floor of offices totalling 24,000 square feet and car parking for 450 cars.

Refines whose contract involves Street, Bermondsey, is to design as well as construction.

Work on site is planned to com- wark. mence this year and will take at least two years to complete.

Partnership in Belgium

U.K. CONSULTING engineers Bylander Waddell Partnership have formed a working partnership with Bureau d'Etudes Louis Culer of Brussels in order to offer comprehensive consultancy services to British clients and

developers investing in Belgium. The bureau of Louis Culer has been responsible for consultative services in the fields of structural engineering and environmental services for offices, hotels, hous-

ing and industrial projects since its formation in 1956.

It is intended that the new partnership, which will practise under the title Bylander Culer Partnership, with offices at \$4 at work, but thinks that Constructionales, tion should be made a separate division of the Executive.

In a letter to the Department of the Environment, the ICE says that the inspectors in such a division of the Executive.

Berling and industrial projects since its INSTITUTION of Civil the shield and Engineers welcomes Government the

Seminar on timber frame

shortages.
The European office of TCT

The scheme involves the con-struction of 14 blocks of flats struction of 14 offices of hard ranging from three to six storeys. One solution to this problem together with basement car is to employ a neater, cleaner which is being moved forward parks and a communal hall for method of construction involving tenants. The 300 units will the use of fewer skilled operations. On the other hand, with sever mands

Architects Stock Page and Stock are supervising the deve-lopment which has a scheduled completion date of 33 months.

Safety and

ing and industrial projects since THE INSTITUTION of Civil its formation in 1856.

sion should be highly qualified professional engineers.

"It is important there should be a reasonable decree of inde-pendence for the various pendence for the various specialised divisions forming part of such an Executive, and the Institution endorses the view that the special expertise of the existing Inspectorates should be pre-

CHIEF EXECUTIVES of 38 The ICE agrees that a Safety companies in eight European and Health at Work Bill should countries, all with interests in apply to all employment including techniques ing self-employment and make for house construction, are provision for the protection of to-day attending the first day of the public in the neighbourhood a six-day seminar on timber of the activities covered.

PARK-STANTON RELIABILITY

PARK-STANTON RELIABILITY

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IA KIR ROAD & BRIDGE WORKS

leveselle-upon-Tyne Muss | Power Stations

Myton wins

Architects are Twist and Whitly to improve water supplies to Architects are Twist and Whitly to improve water supplies to Society with Ove Arup and Partners con-Millport on the holiday island of

EY COLES, an associate ny of Marples Ridgway in any large scale development can Montreal, Canada.

In the sewers are essential before frame construction being held in ny of Marples Ridgway in sint has already been competed in the north, while a big ten awarded a 55,380n. con. scheme has already been competed to build the 382-bed pleted to facilitate fast development of the construction. Oftawa, and the taple Rospital for the South ment in the south of the Regional Hospital Board.

Regional Hospital Board.

Milliport on the holiday island of Situated off the coast of Ayr.

Myton has also won a contract, worth £260,000, from Babcock and Wilcox, for the construction of the taple Rospital for the South ment in the south of the Regional Hospital Board.

Regional Hospital Board.

Milliport on the holiday island of Great Cumbrae.

Situated off the coast of Ayr.

Myton has also won a contract, worth £260,000, from Babcock and Wilcox, for the construction of the taple Rospital for the South of the Regional Hospital Board.

Regional Hospital Board.

Milliport on the holiday island of October 31, 1973 and water short-last suffered from a water short-last date of entry for the 1974 and a three-storey office building at three-storey office building at the south of the Board of Competition, Wildiand Region, for the design and construction, which while a big opposite Largs, Milliport on the holiday island of October 31, 1973) and water Shorted form a water short-last date of entry for the 1974 and a three-storey office building at three-storey office building at three-storey office building at the construction of a two of the Construction of the Construction of the Construction of a two of the Construction of a two of t

Obviously the mathod has its limitations. Because of frictional

build-up, there is a limit to how far one can go before having to drop another shaft. In segmental

crossings. The method then

to Great Cumbrae

NEARLY 7,000m, of 150 mm concrete-lined ductile iron pip-ing will be used at the land-The work is due for completion by the end of February, 1975.

Ayrshire and Bute Water Board

Pipeline

be fed under gravity from an existing reservoir an the main-land. A considerable part of the landward pipeline, particularly that on the island, will be laid in rocky terrain.

Farms and other properties on the route of the pipeline will be supplied with water from the public supply for the first time.

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Limited research is at present being channelled into pipe-jacking because the companies Using the pipelacking method of tunnelling, steel or concrete pipes are hydraulically jacked through the ground after the involved are small and simply do excavated material at the tunnel face has been removed back



Hopes for a breakthrough

Newcastle

Contract

The European office of TCT Engineering, a division of the Campeau Corporation, was one of the organisations which played a part in the Igny Project near Paris, a scheme developed by the French and Canadian Governments whereby change over the next 30 years.

AN OVER 1m. contract for the redevelopment of a commercial site in Newcastle upon Tyne city centre has been awarded to Brims and Co. by North British Properties.

The project, which is part of NBP's current f5m. commercial NBP's current f5m. commercial in the European office of TCT Engineering, a division of the Campeau Corporation, was one of the comment of the invalidation of the Organisations which its part of the organisations which its part of the organisations which its part of the organisations which undestry and if recent forecasts are anything to go the limit at all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steering of campaign was too successful tunnelling in that all steeri

roads and gas:

In the next five years, 599
miles; in the medium term (five size to 15 years), 1,580 miles; and in the long term (15-30 years), 2,540 miles.

However, a major problem is, and will continue to be, finding enough labour of the right quality prepared to carry out the work—there are already several tunnels under construction.

However are already to construction, also possesses a design advantation at the present time whose

With reintorcing steel suffered heavy losses on a large turnover because of underturnover because of unde 24,000 square feet and car parking for 450 cars.

Rrims, whose contract involves Street, Bermondsey, is to be quality prepared to carry out design as well as construction, has commissioned Ryder and Sons, part of the London and the work—there are already System and Partners to carry out Northern Securities group, for the architectural design work, the London Borough of South-faces are unmanned.

One solution to this problem manda. nands.

and service tunnelling, there is further educate engineers about
Such a solution over the normally a restriction on the its applications. Mike Hough,

increasingly popular range of length from one manhole to the tunnel—three to seven feet in next.

Although not a new industry, and one that at the moment has an extension of the done by the Americans at the one that at the moment has an extension that are the moment has an extension that the moment has an extension that the moment has an extension that the moment has an extension to the first feet and the moment has an extension to the feet and the moment has an extension that the moment has an extension to the feet and one that at the moment has an end of last century, just for odd annual turnover of about £8m. crossings. The method then

member companies believe the market is virtually untapped.

Pipejacking may be defined as a method by which largediameter pipes (steel or concrete) are jacked through the ground, the displaced material being excavated at the face of the shield and removed back

To be method the method then drifted across to Europe but not have the resources. How not have the resources. How not have the resources, How not have the resources, How not have the resources that not have the resources. How not have the resources, How not have the resources, How not have the resources, How not have the resources. How not have the resources, How not have the resources, How not have the resources. How not have the resources, How not have the resources, How not have the resources, How not have the resources. How not have the resources, How not have the resources, How not have the resources, How not have the resources. How not have the resources, How not have the resources, How not have the resources, How not have the resources. How not have the resources, How not have the resources, How not have the resources, How not have the resources. How not have the resources, How not have the resources, How not have the resources, How not have the resources. How not have the resources, How not have the resources. How not have the resources, How not have the resources. How not have the resources, How not have the resources, How not have the resources, How not have the resources. How not have the resources and have a supplied to have a s

organising a visit to Berlin next March 1-4 with a programme that will include technical and sightseeing visits to both the eastern and western parts of the city.
The number of places is strictly limited, with allocation on a first-come, first-served, basis. Application forms are available fom John Overton, Director of Activities. The Institute of Building, Euglemere, King's Ride

IN BRIEF

Ascot, Berks.

Tobago has awarded a second contract, worth £1.7m., to George (Caribbean) for the Highway Chaguanas and San The contract is for 14.2 miles of the southbound carriageway.

Work has begun on a £378,000 conversion programme to accommodate the Concorde airliner in the British Airways overseas division hangers at Heathrow

Cementation Construction is to improve a section of the Swansea Manchester trunk road (A56) through Stretford, Lancs, at a

Further council bousing develop-ment for the London Borough of Harrow will be carried out by John Laing Construction under a £690,000 contract for 72 dwellings and a children's community

not have the resources. However, the industry believes that there

is great potential for developing

the technique and points to the Germans who carry out very

Tube Headings.

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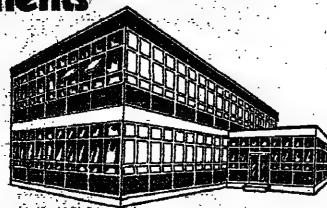
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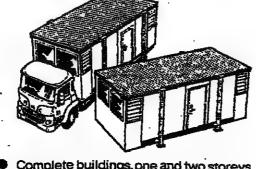


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MONDAY SEPTEMBER 24 1973

Heavy going in Nairobi

THE FACT that the Group of experience shows Twenty has had to report an enough how violently the almost total lack of progress balance of payments can swing must disappoint even the most -and in the "wrong" direcmodest hopes which had been tion. The pound was probably pinned on the annual meeting overvalued when we were in of the International Monetary large surplus, and is under-Fund, which opens in Nairobi valued now. to-day: and the prospect of a It is also hard to sympathise in ther year of confused indis- with the U.S. on the second spline in currency markets basic dispute inside the Group must be discouraging and some of Twenty. It is agreed that what alarming to the business a basic objective of reform is pare for their meeting with community. It is discouraging, to establish proper control over 100. for the EEC, whose effort international liquidity, and to to create at least a limited area ensure that its level neither and cash problems this time of relative stability is now on depends on nor can be created are so serious that life will the critical list. The prospect by the balance of payments of Britain joining the EEC joint deficits of one or two countries.

Dangerous

now be taken before the end of essential.

The conditions, as laid down Essential

-commonsense argues for the that sees in Nairobi an oppor-EEC view. Recent British tunity to assert its case.

float, should it survive is now This objective is simply not compatible with U.S. insistence that surplus countries should be left with a free choice of whether to hold their reserves Delay, then is dangerous; but in the international medium or

by the principal disputants, are At this point, however, the for the past few months, if not simple but contentious. The less developed countries can for the past couple of years, of Americans demand a system demand to be heard. Their being far from healthy. The equal support is essential if inter-current electricians' pay dispute acting like men unused to The electricians then comdisciplines and afford equal national control is to work and the wider industrial action militancy—for example, show plained but followed their adjustment opportunities on all (their present practice of re- which has resulted in Scotland ing no interest in conciliation, traditional non-militant stance countries, whether in surplus or depositing borrowed currencies contains many of the ingredients They have total official support traditional non-militant stance deficit. This principle is now in the Euro-markets is a major contains many of the ingredients. They have total official support when the management said that deficit. This principle is now in the Euro-markets is a major common to many labour dis- from the means cause of their uncontrolled putes, especially in the motor easily afford generous strike the toolmakers might agree to through which it should be growth); and they require an industry. The alternative source of develop-American stress is on auto-ment capital, through a link financial shape. American Mr. Frank Chapple, may not annual pay negotiations came maticity—the notion that a between reserve creation and owned, with suspicions that its mind being seen to be militant round again, the electricians owned, with suspicions that its mind being seen to be militant round again, the electricians change in reserve holdings out- aid. Some EEC members still Detroit headquarters is dictat- with a handful of his members, again lodged complaints—but side an agreed limit should argue that a system in which ing a hard and unsympathetic given that he faces serious the situation was confused by impose an the developed countries would labour relations line. The com- Left-wing pressures elsewhere the obligation to negotiate a change have to earn any increase in exchange rates or domestic reserves—and to earn the net policies. The EEC nowers regard surpluses which reserves are out of date, with case is absolutely in line with a policies. The EEC powers regard surpluses which reserve creation too many individual negotiations 14-year-old policy of the union this as too simple, and argue implies—would be inflationary for different plants and different that no engineering worker must that the criteria should be based They must remember that us groups of workers. A day-work be raised to pay rates above on a full economic assessment, controlled creation of liquidity system, which replaced piece those of electricians. and not on a simple change in both earned and unearned, is work a few years ago, is said. The elite of the

The growing impact of steel shortages

WHILE THE latest unemploy- several years to show results in monon, but several factors have last few years. biggest plants. difficulties the BSC has managed

Rebuilding stocks

ordering, but it is clear that the more serious brake on output sharp revival in steel consump- in the months ahead; tion together with the rebuilding of stocks by steel-using in Exports capacity of the BSC.

BSUS levels and date at the start of the that they have no resources RCA, whose main earnings company called L'Huissier, Soon after ATV, on the death That "independent" role is no

ment figures and the rise in terms of increased capacity. unfilled vacancies provide Indeed the disruption inevitfurther evidence of overheating ably caused by plant closures RCA . in the economy, another indica- and rationalisation could lead to What would mighty RCA Cor- guarded answer. tion is the growing list of indus- temporary reductions of capacity trial materials where acute in one or two areas. The current clear, is a worldwide phene. British steel industry during the

difficult to assess partly because first half of next year, the shortmany customers are double age of steel could well become a service else in Europe?

which is beyond the current an ented so far are construction, trens in the fire. Had RCA had apacity of the BSC.

domestic appliances, and parts talks with other European food James Goldsmith, whose (who is all of 6 feet 8 inches like Renwick and Shawcross, to supplementary factor has of mechanical engineering. The groups? "I'm not prepared to ambitions in food seemed not talk! to see everyone with James Goldsmith, whose (who is all of 6 feet 8 inches like Renwick and Shawcross, to BSC's levels and have accounted brossed to satisfy home demand down," he said.

Chrysler might actually be serious about pruning its U.K. car manufacturing operations because of continuing lahour troubles, a flurry of activity in the past couple of days has raised some hopes that the company's immediate crisis may be past. To-day Chrysler's Linwood plant in Scotland reopens, preparing motor bodies and trans-

gainst the background

of growing suspicion that

mission equipment for the company's Coventry plants. As a result, these should be able to reopen when they return from a week's holiday next Monday. With cars flowing again off the production line and providing much needed cash, Chrysler could end its talk of crisis and carry on as before.

The main question this morning, as Chrysler executives prenational union leaders to-night, is whether the labour troubles never be the same again.

Three main unions

not, perhaps, as dangerous as in national currencies. There answer to this depends on with wage structure problems, linked to an attempt to agree on a is room for legitimate dispute whether to-day's meeting cracks and there is a management torn agreement. "reform" which would leave on how far existing currency the basic dispute over elected between all these different prestant and an undefined number of it has been told by the TGWU the fundamentals untouched. balances should be consolidated tricians' pay at Chrysler's Ryton sures and making day-to-day the electricians had demanded other craftsmen—including the and AUEW that it would face The failure of the Group of Twenty is partly due to insistence on those fundamentals, and show big a Eurodollar market should be to assist the intersistence on those fundamentals, and affords an opportunity for national mobility of funds with the Missistence of the Group of "working" balances, and on whether the leaders of it and its critics later recognise the three main unions involved to have been wrong. the Nairobl meeting to re-state national mobility of funds with- Plumbing Trades, the Transport the Nairobl meeting to re-state out creating dangerous infla-the essential requirements of 2 out creating dangerous infla-reformed system—the agenda but international control is willing to help Chrysler out of for the decisions which must its troubles.

The company is in poor

already active inter-union teed by a special system linking year with the TGWU at Ryton The current strike is over only a few weeks after the this week—but it is too emprivatives. The national leaders them with the pay of productive refusing for a time to sit in whether the company was "shoddy work" dispute in June yet to accuse Chrysler of cristians involved choose time workers. This is the key to negotiations alongside the promising £250 or the maximum which was an example of the "wolf" once again.

their tactics with at least one the start of the current elec- AUEW to which the toolmakers £1 plus 4 per cent calculation eye on their own internal and tricians' dispute. Way back in helong (it is not only the elec- on electricians' pay—which political problems. On top of 1965, Chrysler (or Rootes as it tricians who resent the tool, would be less than £250. The

Unused to militancy

The electricians in Coventry Chrysler's labour relations who have now been on strike have been showing all the signs some seven weeks, are a far from militant bunch. They are said not to have had a strike for pay for such a small group. Its give up their special payment. president and general secretary, A year later, in 1971, when

and not on a simple change in both earned and unearned, is work a few years ago, is said and more inflationary. The so far as this argument has demands of the third world will and management have somehow to be met if a injecting a bonus element to claim, are declining with special payment even though "maximum possible," under the with the electricians on a staff later perhaps by selling off some insist that their automatic workable system is to be created. So far as this argument has demands of the third world will and management have somehow to be met if a injecting a bonus element to claim, are declining with special payment even though "maximum possible," under the with the electricians on a staff later perhaps by selling off some increased technology. In the general Coventry deal Government's policy.

The Pay Code lays down a agreeing staff status and then ponent manufacture or a factor than the fit plus 4 per withdrawing it. Unhappily, this None of this might provent. problems, with elitist claims ago almost all the city's tool- been calculated had distop limit on the £1 plus 4 per withdrawing it. Unhappily, this None of this might prove nec from craftsmen stirring up makers high rates were guaran- appeared. Troubles spread last cent, calculation of £250 a year, sad saga has come to the crunch sary if the situation improve inter-union teed by a special system linking year with the TGWU at Ryton The current strike is over only a few weeks after the this week-but it is too est

all this, there is a statutory pay then was) agreed that the elec- makers). In an attempt to deal company is refusing £250, which A significant part of the policy curbing freedom to deal tricians' pay should be directly with these problems, the com- it says it never promised, could

Chrysler: past causes

of present troubles

BY JOHN ELLIOTT, LABOUR EDITOR

special treatment - treatment electricians who would be paid consequential claims from other they are striking for to-day. In a higher basic rate than the rest, groups of workers. 1968-69 Chrysler moved from In the event, the bonus

roughly £1 a week. when the management said that Coventry

Toolmakers' super-grade

annual lump sum, and the deal makers had got, and their evensome 30 years, and are now remained a secret till money tual similar £2,500 deal—giving

rule—backdated to last October, stopping, production of motor credit facilities could not a Then came the question of this bodies and so leading to the tinue indefinitely. When the year's pay deal-also subject to Coventry shutdown. the £1 plus 4 per cent, limits. Throughout this saga, guarantee that Detroit wo.

The electricians swear that, at Chrysler's management is open step in. It is in this context if

Left, Mr. Peter Griffiths, Chrysler's industrial relations chief. Right, Chrysler strikers earlier this year. the toolmakers' pany thought of creating a new not get past the Pay Board, and super-grade for the toolmakers could not afford to pay because

soured

piecework to measured day scheme was partially introduced £190, which would raise the work But the AUEW refused in the company's general 1972 electricians to their previous Chrysler U.K.'s industrial re to ratify the deal and as a result pay deals and the toolmakers Grade A levels. But the com- tions director, was in Detroit t the company, in top secret and went on to win a £2.500-a-year pany has also withdrawn the day the "shoddy work" stri literally behind locked doors, staff status pay deal just before electricians staff status scheme started. It was his regular vi negotiated a special extra for last November's freeze started, with its £2,500 annual salary to discuss with the America the toolmakers which yielded. The electricians however had would be implemented to handle it assumed would be implemented.

refused to negotiate at all This was paid out in an before they saw what the tool-

Pay Code

week-all that was allowed all Linwood manual workers of revenue suffered last wounder the £1 plus 4 per cent. walking out two weeks, ago. Chrysler's cash reserves

tional demands following fix years or more of giving wa to shop floor pressures. Many of these problems ste from last October when Chry ler, in the face of booming

management feeling it had stand out against unconstitu

demand for its cars, wanted raise the Avenger range pr duction rate at Coventry fro 3.000 to 3,500 cars a week. line with its agreements, started talks on mannin stewards who amazingly did n Chrysler's trouble spot is i Ryton body shop which fails to meet the new 3,500 standar. without excessive overtime at disputes. Finally, union offices moved into the plant full time round the clock for a week stewards' management did a simil exercise with its shop-fin management. As a result, fro March to May, in the view management, there were t best shop-floor attitudes, re tionships and output for a lotime. But all this was ruined the "shoddy work" dispute. blunt management hard is during this dispute led to creased suggestions of Detri domination causing a " make break" policy,

Tight financial brief

assumed would be implemented 1973 wage negotiations. Chrysl when Government policies insists all this was simply allowed. Faced with the threat inform the U.S. parent rath of counter-claims from other than to receive instruction craft grades, the company says Despite the fact that the U. electricians must re-management are in regui negotiate this along with other contact with Detroit-especia at present - Chrysler tries atmosphere even more, as has to its brief, which is to finan the issue of management staff future U.K. investment with -and maybe some manual wor- own profits. kers in Coventry belonging to It is this tight financial or

other unions-doing the elec-which is worrying the U-At the end of the freeze on tricians' work. It is this issue of Government and union lead April 1 they received £2.68 a "blackleg labour" that led to because, at the film, a day money runs short, there is

While Gulliver talks to

noration, turnover approaching Oriel's Gulliver, 42, is best companies. \$4.000m. a year, want with tiny known as a marketing man Perhaps no one knows all the

answers yet, for yesterday both sides were still at that stage of Goldsmith links negotiations when they like to dustries has created a demand. Among the industries worst indicate that there are other with Unigate

products throughout the U.S. bouring meat-processing com- Brains Trust programme and and Canada. Would RCA really pany called G. A. Bordeaux- "discovered" Vera Lynn, Then,

shortages have begun to situation of under-supply is develop. The shortage of steel, largely a reflection of the very fa.sm. even after the shares Fare supermarket subsidiary of Monetary theories. Thames, which took the London as a report on page six makes low level of investment in the had moved up 10p last Friday? Associated British Foods. But V. here does James Gulliver fit earlier this year he said that Three reasons are being year, into the house built by David the plan for Oriel was a group advanced in international At motion, but soveral factors have

A modest amount of relief Sarnoff — the young man who operating in food manufacture.

O.K., not least the strikes which inay be obtained as teething picked up the first radio ing, food distribution and also

Nationals.

Nationals. have occurred in several of the problems in certain plants are messages from the sinking in certain sectors outside the Nairobi-Corporation de-bottlenecking continues.

The same and went on to father food industry (the absence of It will enable the Common competitors were doing neither.

The same and went on to father food industry (the absence of It will enable the Common competitors were doing neither.

So has negligible of the same and the process of the process of the competitors will be competitors and the competitors will enable the Common competitors will be competitors will be same and the competitors will be competitors will be competitors will be competitors with the competition of the competitors will be competition. meded at RCA by his son might be explained by a parting live snake in a tunnel at the been as a lobbyist and spokes to increase is cutput by around to increase it is cutput by of 1974. Since it looks likely that our defence early warning enough with his, but for the is a white animal with black lobbyists, Thomas has also been most of the other major steel system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system, running Hertz car hire personal factor: Gulliver left stripes or vice versa (this is a nonly system). The extent of the shortfall is at full stretch at least for the awning the factory which turns has come to face the new famous contention some years his hand on the Fourth out more colour TV tubes than challenge of launching out on ago that trying to decide if the Channel, but there, is no

A supplementary factor has or mechanical engineering, the groups of the not prepared to supplementary factor has or mechanical engineering, the groups of the not prepared to supplementary factor has or mechanical engineering. In groups of the not prepared to supplementary factor has of these is particularly answer that," said its spokes so long ago to be at the someone, if only a size of the notation of the not been the changing price relations of the same is particularly answer that, said its spokes so long ago to be at the same between British and the important, since the industry man. Had Gulliver had other same embryo stage as James's ported steel. In the past ortain plays such a key role in the offers? "Im not going to com-Gulliver's, has gone into a grades of steel, such as terry require's exports; only apart ment on that, because one partnership with Unigate, albeit Thomas steps up forcement bars, have been no from the steel shortage, many question leads to another and in a small way, through a deal Thomas steps up forcement bars, have been the front the steer are so hard that's a read I don't want to go just announced in France, at Thames ported at prices well below the firms in the sector are so hard that's a read I don't want to go just announced in France, at Thames

be trying to enter the food pro- Chesnel. L'Huissier anyway in 1944, he went to Pathe and duction business in Britain? wants to expand, so it buys has been with films and TV Traditionally, in all fields, we Bordeaux-Chesnel for cash, thus since, having the distinction of are manufacturers," was the maintaining the 50-50 ownership founding two TV companies, between the

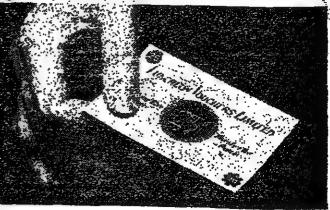
iMF Special Drawing Right was question of his ability to talk credit—as the French said—or persuasively to Government. not was like trying to determine the zehra's colour).

two parent the ABC company which had the Manchester and Rirmingham week-end franchise until the week-day franchise in the same

> At Thames, he has managed money, when around 1970 some man for ITV in general, par-

There remains another question, of whether it is good Finally, this week's meeting tactics for inevitable future will enable the U.S. Treasury political brawls to switch from Under Secretary, Paul Volcker more independent chairmen. of Thames, Shaweross, as an outside chairman, played a vital role at the birth of the company by reconciling the warring shareholders, EMI and BET.

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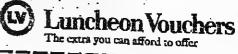
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19 Financial Times Survey

'eriod of frustration and uncertainty

ICHAEL SIMMONS

orld's chemical industry, growth rates during the ten-ts five largest industries, year period 1960-70 were 8.5 per ently going through an cent. in the U.S. (responsible dented period of frustra- for well over 40 per cent. of the d uncertainty. Profits, world's chemicals production)
y instances, may look and 9.5 per cent in Western nd are certainly better Europe (responsible for about ey were this time last 36 per cent). However, the U.S. t the less than palatable was to record a nil production the less than palatable was to record a nil production that many of the major growth in 1970 itself, evidence is have been hamstrung that the recession came there is thinking about new first; and Western Europe was either by the to record a growth of only 3.5 of national govern per cent in 1971 over 1970. The is by the anti-pellution chemical industry, it should not it, or by a real or be forgotten, generally thinks ed shortage of essential in terms of its growth rate being

enly because the indusfor the most part, just i to hoist itself out of matic recession that hit

ily because demand was

PIRAEUS

ROME

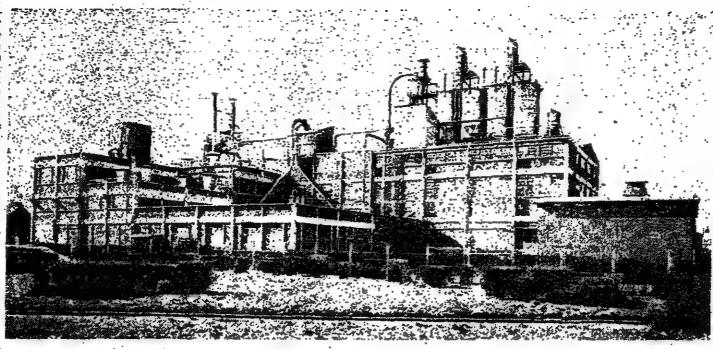
ed shortage of essential in terms of its growth rate being k and raw materials.

roughly twice that for industry rustration is felt all the as a whole.

Investment sector Inevitably, this state of affairs

ds the end of 1970 and had a repercussive effect in the wed tangible signs of investment sector. World-wide to an end at the begin- there had been a growth of this year. The recessabout 9 per cent, a year in the tracterised by depressed industry's capital spending tracterised by depressed industry's capital spending id profits, by low growth programme up to 1968. But the iss capacity, followed a boom conditions of that year several years in the saw this figure rise sharply to bs when, in the words 18 per cent in 1969 and 14 per of the industry's more cent in 1970 much money, in

> Fards the middle of last —exceptions being in the U.S., suggest the industry will never facting industry as a whole.
>
> 2s estimated that there which emerged from the recession be the same again.
>
> This at any rate is the recession. o more than 21,000m, sion quicker than the rest of



The Monsanto plant at Pas-de-Calais in France.

This at any rate is the reason-The British industry, pleased ing of the Chemical Industries petro-chemical plant us, and some European that output has been rising at Association, a London-based In fact U.K. prices for some satisfactory return on capital the industry who would like a It remains to be seen, probably ing idle in Western countries—particularly those a rate equivalent to 10 per cent. organisation which claims to materials are now estimated to employed And Mr. Jack Caliard, debate, loud and clear, to be in the short-term, how Middle Investment cut-backs, where the Government involve- a year, has nevertheless, been speak for 75 per cent. of the be as much as 40 per cent. ICI's chairman, has made no started on this.

East politics and the developlosures and sackings ment in the industry is most dominated by what it considers U.K. industry and which, in its below West European levels, bones about the fact that cur. However, in Europe as ment of virtually new chemical in some areas, the recognisable.

The Government's intractability latest delegation (earlier this This could lead to what the rent Conservative policies were elsewhere, the demand for and petro-chemical industries in the day.

But the value of these figures, over prices and a number of month) to meet Sir Geoffrey CIA thinks could be serious such as to drive some people chemicals is rising, prices are such areas as the Middle East, ics worked out by one for all the expertise of those leading producers have had Howe, Minister for Trade, raw material shortages in the in his position to think more in hardening, and an end is near will affect those countries. bigger companies is who give voice to their applications before the Price included senior representatives engineering, automobile and terms of investing overseas than to most of the over-capacity where the industry has hitherto epict quite starkly what "expectations," has been some. Commission, some of which from ICI and BP Chemicals, other labour intensive industries in Britain.

problems. ICI has not been the been regarded as stable and Average annual what diminished even since have been rejected only to be The Minister, who is believed and could in turn mean a But inflation, which has been only European company to mature.

e spokesmen, the other words, had been comthey were prepared a year or replaced by the same words in to have nodded sagely and said "serious" curtains
the other words, had been comthey were prepared a year or replaced by the same words in to have nodded sagely and said "serious" curtains
mitted before it was too late to so ago. A number of developa different order. The industry he would "bear in mind" the
industrial expansion.

The proof of the contraction of turers who, with hindwith despite said to have been chit be said to have been continued that they should continued themselves in chemicals produced themselves in the and gas requirements among countries, are and cleawhere about the month that it is points raised, was told that it is points raised. At ICI, still points raised, was told that it In 1972, this year and next it developments, together with Ministers and officials that it and the outlook for further in-hall do not seem able to under-assumed, will more than likely not producing vast amounts of

Peculiar problems-

curtailment ·

is expected that new investment the nasty sensation induced by has "certain characteristics" vestment was as a result unstand the peculiar problems of be generated in the Commischer own oil and gas, has were to pay dearly for will be rather less than in 1971 the depression just described, which distinguish it from manuse appealing. quarter of this year it turned has yet to crystallise its thinking the uncertainties that it is in record profits-which may on the co-ordination of invest- facing, or likely to face, in the nevertheless be rated a less than ment plans. There are many in realm of raw materials supplies.

up to £100m. In one part or years ago.
another of the EEC area, told According to a recently comme recently that restrictive, antipleted study by the Chase inflation legislation would Manhattan Bank, profit margins industry's investment planning and will be around 4 per cent. in German, Holland, and post his year. They could become ably France before very long even less. The same study sugsibly France before very long

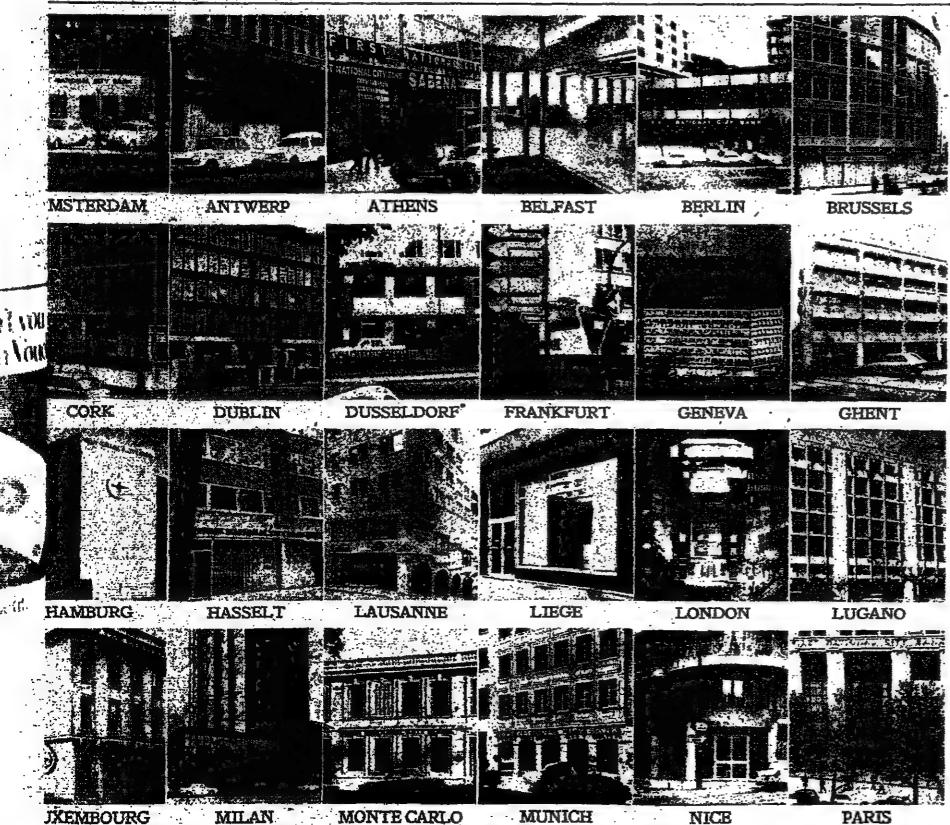
The EEC area is faced with gests that the profit margin of other problems than just inflating from 6.4 per cent, last year to from precisely the fact it is the EEC area. The enlargement of a suggestion which is borne out the Common Market coincided with the coming into being of the European Council of Chem. the European Council of Chemical Manufacturers' Associations, an association of associations

largely responsible for the record rising profits - but in British situation, is not a solely most cases overall margins British pre-occupation. One leave much to be desired and British manufacturer, currently still fall short of the high levels thinking in terms of investing they were at four and five

pretty certainly be affecting the in Europe are generally falling

Growth rate

In North America, as in which may yet be able to speak Japan, a number of obstacles with one voice for all the major have been created by the European companies and be environmentalists. So far as the heard in the corridors of power U.S. is concerned, however, in Brussels, CEFIC, as the Coun. these obstacles have to some cil is known, will shortly be extent been overcome by investpublishing its study on olefins ing overseas, notably in Western which brings together data on Europe. In the same way, the capacities, production and Japanese companies, enjoying demand — information which albeit from a comparatively cannot but help those in the low base - the fastest growth Commission offices who are seek. rate of the advanced producing



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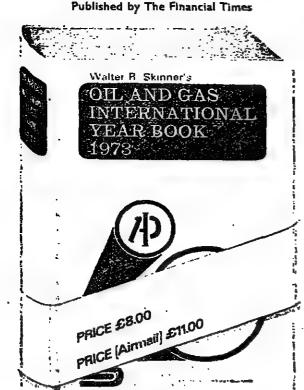
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WORLD CHEMICALS II

Monitoring pollution now given great emphasis

Presenting data

By DAVID FISHLOCK, Science Editor

gions will automatically moni- monoxide, tor the nation's air space for ozone and dust, sulphur dioxide. The figures will in Britain, there are already

miles away, the health officials Inspector.

Nitrogen oxides

for nitrogen oxides and hydro- away the secrecy surrounding carbons. They learned that industry's emissions to-day. No automatic calibration meant longer that the results were accepted normally be permitted to make in law when there was a dis- a deal with the national conpute. They even found ways of trol agency, namely the Alkali 13-feet poles, from the un-their emissions confidential.

20-kilometre grid—though more the contract requires sensors tions. tightly packed in industrial re- for sulphur dioxide, carbon

feed to a point near the centra two sides to the control of air of Holland where the National pollution. On the one hand is Under-Secretary for Environ-Institute of Health has a com- the national control exercise by ment, introducing Rear Admiral puter. This computer will keep the Department of the Environ. Sharp's report, made it clear a continuous record of the ment's Alkali Inspectorate. On that the Government now national pattern of air pollution, the other is local enforcement regards both reasons as out-of-Operating in harness with the exercised through the Clean Air date. The Government has Dutch meteorological office two Acts and the Public Health taken its one from a report last

interested in, the proposal conit to the Press in a clear, un-neither authority and would planning permission had been tontacludes, is the air in their own

locality. The principles used for the Indemat (industrial emission sulphur dioxide sensor or to the atmosphere) committees have now been would be composed of repreextended to other atmospheric sentatives from local industry pollutants. The Philips re- and local authority, in equal searchers who developed an numbers, along with indepencalibrated dent members from, say, "sniffer" that could work un-universities or trades unions. attended for 3 months at a Their purpose would be not to stretch found that the same implement new standards of basic principles could be used emission control but to strip would disguising their "sniffers," on Inspectorate, to keep data on

No other nation has yet fol- keeping data on industrial ment in the chemical industry operations were in a loss situa- there will always be a place for lowed Holland with a scheme emissions confidential. One is since the last war has been the tion owing to troubles with a for monitoring the whole of its that the data could disclose emergence of petroleum chemi-new plant in Newfoundland, atmosphere, at least near commercially valuable informa- cals, the growth being mainly Fortunately the group does ground level. But several tion about the process itself or in synthetic fibres and plastics, have other activities, including

Early next year the Dutch plans to measure both sulphur given location. The second is ambiguous form but which therefore be free to voice their applied, could reveal to company's plans expect to complete their national dioxide and nitrogen oxides), that the complexity of data on avoided any charge of edit-criticisms quite independently, petitors the company's plans "grid" of air pollution monitors. Milan and Emilio Romano in industrial emissions can give ing to present it in a more But there may be circum-for expanding production. Over 200 sensors spaced on a Italy, and Mexico City where rise to damaging misinterpreta- favourable light.

The scheme now under con- conceded, Any costs they tion. incurred by, say, calling for special data would be a budget

charge on the local authority. will be able to track any patch in a report published in July of Savindinetial Politicon, an proposing the ancient for example, a company quantined with such time as of air pollution that breaches and now being examined by the which argued that it was in the scheme, the working party might wish to keep quiet about the work is finished and a combined and a combined property of public interest that information makes plain that it regards the data that could reveal its plans piete case, with proper assessing the class of t in provided only that the pollution remains low in the atmost that would public."

Chairmanship of Rear Admiral be made available not just to essential. For this reason, the Emission levels that would public." phere. The officials are now explored a new color of the statutory bodies with a right to report says, it is "of the utmost normally demand a chimney of the Institution of Municipal phoring what might be done by National Society for Clean Air, workers and others who could dustrialists should be adequately be considered as now explored a new colors. morning what might be done by realloss society for clean Air, workers and others who could dustrialists should be adequately be accepted by the Indemat if gestion that a small section way of counter measures and proposed a new scheme for air workers and others who could dustrialists should be adequately be accepted by the Indemat if gestion that a small section warnings. But its main aim is pollution control through local make use of the data to improve represented on each Indemat. It were told the company was within the Department of the warnings. But its main aim is pollution control through local to help the Government decide committees called Indemats. There is no single, recognised how to hold air pollution in There is no single, recognised Holland—so close to the Ruhr, source of information about quite apart from having its own industrial emissions to the large chemical industry—down atmosphere in Britain. But large chemical industry—down atmosphere in Britain. But and presenting the data on reason the Indemats, as pro- emission, when related to the studies of existing plants, or if to acceptable levels.

what people are primarily emissions—one that would offer posed, would be controlled by height of a stack for which need be, sponsor pilot-scale

stances, the working party

into being next year shall set fidential. These circumstances could disclose details up the Indemats. These com- are currently being studied process under dev

Emission levels

sideration is that the new would still be justified in asking party is where the chemical district authorities that come the Indemat to keep data con- composition of an emission mittees will gather data, publish before the Government incor- This could apply in cases where reports and generally act as a porates the Indemat scheme in new catalysts were a crucial fount of knowledge about the its comprehensive Environment component of the process. The quality of air for their own Protection Bill, now in prepara- steel industry has already told the working party that there are processes under development which may emit traces of

Smaller firms thrive by specialisation

By KEITH LEWIS

wanted attentions of small boys. The Government at present. There can be no doubt that in Australasia, though in that YC's progress for some time. synthetic protein and accepts two basic reasons for the most significant develop-particular year the phosphorous cities have ordered the system, the company's plans to expand Advancing technology has detergent raw materials, among them Venice (which or phase out production at a dictated that the industry should flavours and perfumery and progress chiefly through larger agricultural products.

and larger plant in order to benefit from the economies of scale. Capital investment by the chemical industry in the British Oxygen, as the name 1960s reached a tremendous implies, is mainly concept

panies are no longer echieving mining and mineral process and sheer size. According to stock the company's own words it German companies have already tion or improve quality."

versely, with many groups almost £14m. against the unwilling to invest in plant previous year's result of £4m. after the recent recession there Heavy capital expenditure on are shortages of certain research and overseas marketmateriels. But assuming that ing is expected to continue to the capacity of the U.K. industry keep profits moving in the right is sufficient to meet demand— 1973 to £8,550m. in 1977.

Wilson, for example, is the sole adhesives, soap and detergents the U.K., Canada and Australia: years has been provided by the manual, in 1971 52 per cent of now split roughly 50:50 sales were in the U.K., 16 per between U.K. and overseas. The cent in Europe, 12.6 per cent, in consensus is that there is very North America and 8 per cent, little which is likely to halt

Industrial gases British Oxygen, as the name

programmes outside of their fertilisers; and Laporte is now own financial resources so as to a major in peroxygen chemistry achieve volume growth and having linked these interests market share, often at the with those of Solvay. Another expense of course in market interesting, though small, com-However, it could now be in 1971-72 financial year) is that the industry has changed Allied Colloids which manufacits view to the extent that comeconomies of scale through paper and board industries. In brokers Hoare and Co. Govett produces highly complicated, in their review of the industry researched based chemicals (published last March) some which either speed up producstated that they intend to keep amples of this would be the future expansion programmes flocculants (used in separation to "within their own cash flow processes) and the sizes that are used in the textile industry. In 1970, 1971 and the early There is little doubt that the parts of 1872 there was an group is operating in a growth international depression in the area, and, unlike the majority of chemical industry following on the chemical companies, profits from the over-capacity created have been on a strongly rising by the new plant coming on curve since going public in stream, commissioned in 1966. The latest figure shows happier days. And now, con- that profits in 1972-73 were

direction. and there may be some doubt Hickson and Welch, with on this score due to the time profits running at about £4m. lag between when a plant is before tax a year, is one of actually commissioned and when those companies which is it is in operation—the brokers "prepared to have a go at any-are expecting gross output in thing"—in other words, it the chemical industry in the manufactures chemicals—to U.K. to rise from £5,650m, in order. It is best known for the manufacture of intermediates Disparity in size

Disparity in size

dyestuffs and optical whitening agents, selling to most of the large paint, pharmacentical manufacturers.

the U.K., of course, is that the For the most part, no tonnage industry is dominated by one is too small or too big (within company, ICL And while many reason) and the strength is other companies are large by there so long as the business is normal industrial standards the not seen to be so lucrative as to disparity in size between ICI attract one of the majors on a and the rest is enormous take-over. Normally one of the Nevertheless, it has been pos-majors will approach H and W sible for quite a number of to carry out just one or two groups to carve out a highly stages in a long chemica profitable share of the market, process. Depending on whether without actually arousing the this is a new product—where giant to take them over. The no one knows if it is going to secret has been to concentrate be a "winner"—the job will be on highly specialised areas coated, and the company must where the volume and effort be competitive since the avolved are not sufficient to customer will undoubtedly have attract ICI, or any of the other sought other estimates and, if major internationals, while at the price is too high, turn to the same time remain flexible setting up its own process. One enough to work almost on a obstacle for a group like H and one-off basis with little W. in this highly capital intenrolume but very high return. sive business, is one of funding. Yorkshire Chemicals is an-

become synonymous with just other highly successful speci-Albright and alist company; it produces dyes. nanufacturer of phosphorous in Much of the growth in recent according to Hoare and Co.'s overseas operations, with profits

It would seem, then, that smoking materials.

Another trend that is dethe small chemical producer to carnible is the growing intemake a handsome profit, leaving nationalism of some of the U.i. the volume struggle to the groups. Often in the past plan giants of the industry. One of would only be installed in the the main problems of the industry. U.K. and Commonwealth cour try as a whole has been the tries, but now the groups arcyclicity of profits, and it is considering any stable are: apparent that the majors are where the highest margin, starting to concentrate on areas lowest cost operation is attain- hal of-most profitable operation able. The difficulty lies in being in the main concentration in recent small enough to be flexible and ald pitch, with many companies pre. with the production of industrial years; having been in paints; yet large enough to remain inde-the pared to fund their expansion gases; Fisons, is famed for their expansion gases; Fisons is famed for Other controlled positive pared to fund their expansion gases; Fisons is famed for Other controlled pared to fund their expansion gases; Fisons is famed for Other controlled pared to fund their expansion gases; Fisons is famed for Other controlled pared to fund their expansion gases. Other potential areas are this highly competitive industry.

This is your world

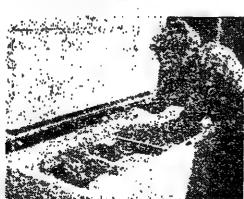


companies in the world. With production facilities located around the globe, to serve employs over 100,000 people.

> But BASF chemical products are by no means impersonal. They play an important part in all our lives. From pigments for lipsticks and perfumes for soap to photographic chemicals and oil additives, BASF helps 20th century society to enjoy the benefits of technology.



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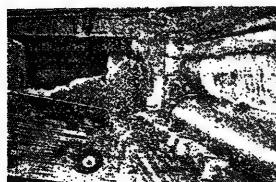


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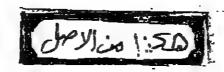


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Change

%, --4.8

-26.2

-27.6

over '71

Change

+17.9

+141

-9.6

Balance

2,119

338

Balance

3,495

4.270

775

over '71

% +25.0

+32.2

+31.6

+35.1

over '71

+9.0

+15.7

+10.1

Change

2,015

Imports

1,585

9,295

Change

J.S. operations overseas

MIKE HYDE, Editor, Chemical Insight

servan Schreiber's imagina pean Economic Community. . Neither are they as iltinational," if that is the t word, as are the major opean companies which rate on an international

opean chemical companies

a companies listed have a ser proportion of their

Total

GR0

W. W. S.

st Paint

vistolna

by:

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nternaft

Hall

015

11

SIMBIN

11

Carbidet 506 220 T 261 neal idated

lthough it is no longer many of the European com- Although there has been a attitudes. Despite that there are operating pharmacentical comdonable to write about "le panies are concentrating their general slowing down from the a number of joint ventures panies in Ireland. Americaine," it is the U.S. oversees: investment expendi-high rates of growth shown by there, but apart from Esso. In terms of monetary values panies which most people ture on the United States, the the chemical industry in the Chimie's plants near Le Havre, Du Pont's European production s in mind when they think world's largest market for 1950's and 1960's, the EEC con- there are few really large U.S.- facilities at the end of 1972 multinational" chemicals, it is equally true that tinues to expand its chemical owned facilities. oration. Yet in the inter- the U.S. majors are spending business at a faster rate than Germany and Scandinavia Dow with gross plant properties chemical industry heavily on the build-up of pro- the United States. The export have attracted a number of the of \$670m. and Monsanto on te, the American companies duction facilities in Western figures show that if the U.S. U.S. majors, as have some other \$414m. Dow's total assets in a not quite been the "deft." Europe, notably in the Euro-companies are to increase their European countries, particularly Europe are likely to top

Tariff barriers

The reasons are the same in each case: to overcome tariff Although a number of U.S. areas of Aniwerp and Rotter foreign sales to double by barriers. To give an idea of companies do in fact already dam. Each country has played 1977 to hit \$2,000m. Dow's aim the size of the two markets, in produce in Europe, it is largely a major role in the merchant of \$1,000m, or sales in Europe trade and the two ports are by 1977 could be met in 1976. They most ainly do. As a generalisation of manpower and utilisation of manpower and utilisation of manpower and the size of the two markets, in produce in Europe, it is largely a major role in the merchant of \$1,000m, or sales in Europe trade and the two ports are by 1977 could be met in 1976.

Although investments will equipped with storage facilities and each provides an excellent point of entry into Europe, and on an increasing the part of Europe.

The U.K. which saw the first stepping up their expenditures at a faster e aggressive in marketing incidence of the American manufacturer has to learn and are catching up on both which helps to boost the U.S. absorbed many years ago—is Selling Price system (ASP) it is one which the majors the degree of "multi-tariff on a wide range of organic the fact that the "Common 1920s, Monsanto had built up a operations although Dow has a cortion of overseas business "benzenoids"), U.S. chemical market they thought it was.

The degree of "multi-tariff on a wide range of organic the fact that the "Common 1920s, Monsanto had built up a operations although Dow has a cortion of overseas business "benzenoids"), U.S. chemical market they thought it was.

Britain and, if pharmaceutical view of operating income. There stal sales, then certainly the imports have continued to inmore multinational than amounting to 25 per cent. with set of constructing large plants are call producers in terms of the companies are excluded, is now is little doubt that the heavy more multinational than amounting to 25 per cent. with set of constructing large plants are call producers in terms of the constructing large plants.

outside their home year showed an increase of only of Rome, however, has seen however, increasing their the EEC rose by a number of move their curropean access business at an per cent. The EEC, on the other quarters out of London, and a derating rate, particularly hand, saw its chemical exports similar shift of production Pont and Dow. While rise 12 per cent, the increase emphasis. Du Pont, Dow and in the case of imports being Union Carbide are now headcompanies sales in Europe, the United States overall Essochem and Monsanto have balance of trade has been un-chosen Belgium. favourable for some time, the However, the positive balance duction facilities on the Con-years on the Continent of showed a 57 per cent, rise in tinent; in each of the past three Europe. 1972 compared with overseas years capital spending in West An exception to the general business in chemicals in 1962, Europe has represented 50 per placing of new projects across basic the balance has declined in each cent or more of corporate the Channel has been Northern chlorichemical trade balance in 1972 per cent. in 1971 and 52 per years has seen the build-up of was 188 per cent, higher than cent. in 1970. Actual distribu- an extensive synthetic fibre in 1962 and 31 per cent, above tion of the construction dollar industry, with the U.S. strongly

U.S. companies' performance in Europe Sales-per-employee, 1972 Total Overseas 51.3 39.2 45.6 38.4 sed on non-consolidated totals

the size of the two markets, in produce in Europe, it is largely a major role in the merchant of \$1,000m, of sales in Europe was some \$30,000m. Despite the One of the first lessons the U.S.

attraction after the war for U.S. attracted to the

industry in Europe has largely pace. been passed over in the past Nor

New projects

standing in the U.K., but each

because of national bert and Squibb are already ing in North America.

business in the enlarged Spain. However, by far the \$1,000m, this year as some Common Merket, then they must larger part of U.S. capital big new plants come into set up production facilities on expenditure in the EEC has production: Du Pont is also been placed in Belgium and pushing its European business Holland, particularly in the port and overall expects total

None of the U.S. majors give Before the formation of the companies are excluded, is now is little doubt that the heavy s can be seen, all the Euroimports from the EEC higher a favoured place for plant concal producers in terms of turnin the past ten years, coupled struction if for no other reason over. In 1972 U.K. sales still with the high costs of commisstruction if for no other reason over. a technological advantage. Thus, Dow have a very strong position in Europe in polystyrene, the Union Carbide and Exxon strategy being to build small

in Europe is more difficult to represented by both Du Pont most profitable products for pro- The indications are that U.S. scope for marketing operations. In itself is fuelling the present pin down, but it is clear that and Monsanto. More recently, duction in Europe, combines chemical exports will reach This year has seen a shortages. some countries are more Ireland has seen the develop with the fact that exports make record levels, topping \$5,000m. "tremendous surge in volume One thing is certain, all the France is another country not and Co., Smith Kline Corpora- of-thumb, in fact, holds good for Bureau of Census.

Totals

Trade with: W. Europe

EEC and U.K.

EEC and U.K.

EEC

U.K.

U.S. chemical exports last language. Signing of the Treaty cent. of total European sales ability. To some extent this will of the products crossing the chairman of Du Pont de (\$176m. out of \$320m.), but have been offset by the fact that Atlantic are now in the form Nemours International SA, ness outside their home year showen an increase of only of Rome, nowever, has seen kets; the U.S. companies & per cent. and shipments to virtually all the U.S. companies Monsanto now has manufacture the companies concerned have of intermediates and law of the companies and law of the companies concerned have of intermediates and law of the companies concerned have of th

Another change of emphasis to enlargement. each has chemical plants of long to medium-sized plants at a bas come from the gradual large number of locations. Dow evolution of the EEC's indus-As % of chemical industry has always In each case these companies has similarly placed most of its in fact have more manufacture trial policy which has seen overseas enjoyed a healthy balance now have some very large pro-new investments in the past ten ing sites in Europe than any action taken against dumping; other U.S. company. Out of the thus U.S. companies no longer total of 24, there are two major view Europe as a dumping locations for the production of ground for exports at marginal chemicals — olefins, prices, designed mainly to keep basis." Like Mr. Campbell, he accent is on caution; memories

of the last two years. The EEC's totals: 50 per cent. last year, 59 Ireland which in the past 15 Holland and Stade in northern loaded. This ability to choose the business for the U.S. companies, and a potential broadening of curb on new investments which

2,360 +9.813,565 +11.3

Overseas sales as percentage of total

	verseas sales.	AS % 01	total sale
	1972	1972	. 196
Сетрапу	\$m.	%	%
Bayer	2.671	67	54
Hoechsti	2.468	58	54
Akap	2,245	88	84
ICI	2,152	54	52
Ciba-Geigy	2,064	97	98
BASP	1,814	49	49
Rhone-Poulenc	1,243	51	49
Du Pont*		24	15
Solvay	1.038	88	87
Dow	1,021	43	36
Union Carbide	991	30	26
Exxon Chemical		63	na
Monsanto	552	25	23

investments of U.S. chemical in Latin America at a faster + Overseas sales include 100% of companies owned 50%. Includes principal non-consolidated affiliates.

> have increased, albeit at a ing opportunities for increasing slower rate than was the case in business in existing products the 1950s and 1960s, there has as well as for the introduction been a change. With the of new products and new build-up of production facilities technology.

Change of emphasis

welcomed the enlargement of increases.

While exports from the U.S. the EEC and see it as provid-

U.S. overseas chemical trade, 1972

over '71

Change

% +7.7

+1.4

+18.4

EEC and U.K. overseas chemical trade, 1972

over '71

Change

+11.7

Exports

Exports

11.205

similar product lines. He does not, however, expect any sudden end to the boom conditions in

Head of Monsanto Europe SA, Brussels, Mr. O. S. Tuygil, says month in Dow's history, that his company predicted 1973

The danger seen by as the most likely year for European executives is that the Britain to join the EEC. "Our strong and continued apswing investments and operations in demand will lead to another have been planned on that round of plant building. The basic chemicals — olenns, prices, designed manny basis. Lake fully basis. Lake fully sees the "Nine" as giving of the previous over-capacity, Holland and Stade in northern loaded.

Dasis. Lake fully basis. Lake fully sees the "Nine" as giving of the previous over-capacity, companies more freedom in the price cutting and consequent. This year should see record procurement of raw materials profit erosion are providing a

favoured than, others. For in-ment of a large pharmaceutical up a large proportion of sales in At the end of July, shipments demand in practically all sectors U.S. companies operating in stance, investment incentives in industry - the past two years Europe to give most of the were up 38 per cent, the boom of the industry and this has Europe are extremely cautious southern Italy proved an early having seen five U.S. companies American companies better having reversed the balance of pushed up the operating level about European notions; of country: sales-per-employee ratings in payments trend because imports of Monsanto's plants in Europe." avoiding future surpluses by companies; most of them have, American Home Products, Europe than they achieve at have been growing at a slower The group's profitability is means of inter-company; cohowever, since backed out. Abbott Laboratories, Merck home (Table 3). The same rule- rate, according to the U.S. increasing as a result, a fact operation, Mr. Merszel speaks mainly due to better plant load- for most when he says, flatly, greatly favoured for U.S. invest tion, and Pfizer. Warner Lam- the European companies operat- All the U.S. companies have ings, rather than to price that he just does not want

Chemical Europe's president, Mr. Zoltan Merszei, is extremely bullish about his company's prospects in a larger EEC, although he does not think that the actual enlargement will affect the company too much since it is already operating right scross Europe. This is particularly true at a time when demand is soaring, as at present, bringing extreme pressure on all the company's product range. He says: "We have no product of significance which is not in short supply at present; we are sold out of just about

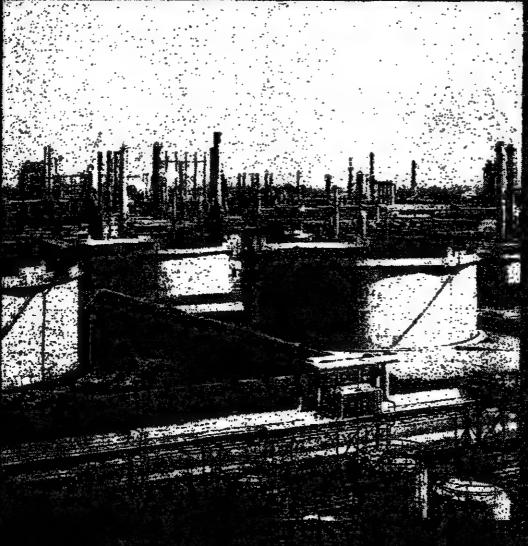
World-wide Dow is currently operating its plants at about 90 per cent of capacity; in Europe plants are running much closer to 100 per cent. Mr. Merszei says: "As a company we have never before produced at such high rates. We believe that in profits we are doing better than anyone else in Europe at present - and don't forget that whatever we are a highly successful year in

Record peak

Dow's European chief sees no upswing in business due solely the foreseeable future. Throughout Europe, August, normally a quiet hollday month, has seen sales hit a record peak for any

The danger seen by many

anything to do with it.



Petroleum is an endless source of wealth for man today. As a matter of fact, through chemistry he can convert it into fuel, chemical products for agricultural and industrial uses. plastic materials, synthetic fibres, synthetic rubbers. S.I.R. manufactures all of these using its own processes and the most advanced technology. thanks to its vast experiences in plant engineering and construction.



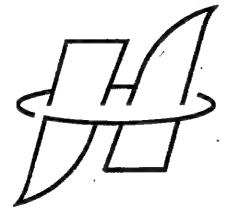
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U.K. firms caught in severe price-cost whirlpool

By RAY DAFTER

at home it is restricted in effect on virtually all world wide the processing sectors.

when it is needed. Companies and almost double the Gulf are looking to the next round of price. feedstocks (where this is pos- must freely available.

Price controls

apply to U.K.-based companies. ally meant to last until the end of, or directly linked with oil said last week that while invest- reflecting both the higher oil they sell the derivatives to the Chemicals U.K. sales represent ment plans are based on long prices realised in the market producers of the goods who, in just 1.5 per cent, of the Royal been made by the working group term consideration "in the short over the past year and the pace turn, sell them to the whole- Dutch Shell net sales. term, price controls can in- of world inflation.
fluence timing and priorities of The whole pri

added: "To the extent that price prevent adequate return on investment, they will inhibit pear term investment in the U.K. In the past the U.K. has shown its ability to remain competitive with the European continent and the rest of the world. Barring some type of pro-

demand—it has found itself than most—its prices are the U.S., and Western Europe British Plastics Federation. in the production chain, from caught in a vicious price-cost reckoned to be about 30 per in particular—is intensifying the seller's market.

The industry is faced with this price cost spiral is one price expensive feedstock while which is having, or will have, an has a chain reaction throughout at home it is restricted in effect on virtually all world wide the processing reaction.

The industry is faced with the major oil companies to the there is sufficient hydrocarbons smallest plastic moulder, is try-to-more expensive feedstock while which is having, or will have, an has a chain reaction throughout at home it is restricted in effect on virtually all world wide the processing reaction.

The industry is faced with this price cost spiral is one price in the industries in the major oil companies to the there is sufficient hydrocarbons smallest plastic moulder, is try-to-more expensive feedstock while which is having, or will have, an has a chain reaction throughout demands; it is forecast that by current problems.

Although Phase Three policy is be traced back to the oil situa- price of naphtha and put \$10 to still open to conjecture, senior tion, a state of affairs that has \$12 a ton on the current Eurorepresentatives of the British become even bazier in recent pean spot ethylene price, at stock which will have to be release more aromatics such as bought at an attractive price because toluene and xylene for chemical industry have told weeks with Libya's decision to present around \$200 a ton. bought at an attractive, price benzene, toluene and xylene for Sir Geoffrey Howe, Minister for take control of all companies Again, very roughly, it is from the oil companies point of chemical feedstocks. With pollutrate, that producers feel operating on its territory and reckoned that the cost of ben-view. The chemical industry tion laws requiring lower lead trapped" by the low prices, to raise prices. It has been re- zone rises by \$1.7 per ton for must demonstrate that supplies content in petrol, aromatics Plastics manufacturers said the ported that the buy-back price every \$1 rise in the value of for chemicals are more valuable substitutes are being used in same thing when they met the being asked of the recently premium motor gasoline. nationalised majors is a heady According to the industry, the \$6 a barrel, \$1.10 more than prices are having a restraining the unprecedented, expensive effect on investment at a time arrangement with Occidental

panding markets but to improve agree to pay such a price is increasing operating and distri- for hydrocarbons falls badly out make up the present shortfall the utilisation of some chemical highly doubtful, but Libya's bution costs all tighten the of line the supply to companies in supplies, according to some sible) and to develop new obviously increased the likell- restraint. It is reckoned that if cals and others linked with oll those hood of renegotiated prices only the price of crude oil went companies, seem assured. products of all production that throughout the Organisation of up by 10 per cent the cost of a are still relatively cheap and Petroleum Exporting Countries plastic bucket wold probably

money in the bank). They know much time, money and effort Phillips

chemical industry might have such as price restraint, invest-oil can only come from the of the companies at the end of case, its own brand of petrol is hoped for better trading condi-ment in the U.K. should remain Middle East which has two- the production chain. He has something of a bonus for protions — its spare capacity of competitive." thirds of the world's proven now set up an Independent ducing recent years is now being While British companies may reserves. They also know that Plastics Association as an product absorbed through increased be feeling the squeeze more the industrialised world—Japan, "alternative voice" to the It is fa

the prices it can charge by producers.

roughly 50 cents on a barrel of will rise to only 5.5 per cent. the chemical mousely in the Government's price code. The root of the problem can crude would add \$4 a ton to the of hydrocarbons.

roughly 50 cents on a barrel of will rise to only 5.5 per cent. the chemical mousely in the control of the world's total requirement are looking at the possibility of hydrocarbons.

eliminating the top "five star"

Higher salaries

trouble, however. Inflation, log prices. Unless the whole investment, not only to meet ex. Whether the companies would higher salaries and wages and energy versus chemicals demand would be more than enough to recent actions have squeeze in a time of price like BP Chemicals, Shell Chemirise by just 21 per cent. That, OPEC has set October 8 as however, does not take account the date for negotiations with of all the other cost increases, companies, it is interesting to panies to market a slightly lower the date for negotiations with of all the other cost market as interesting to panies to market a stightly lower Western companies on increased it may take some time for the note that only four are truly quality diesel oil thus giving The British industry has revenue. The States are clearly increases to filter through. The independent concerns. The bulk them 3 per cent, more diesel oil warned that continuing price seeking a new deal that will buyers of the major base are part of oil companies or and gas oil from each barrel controls will deter investment. mean replacing the five-year chemicals are a few large manu-multi-national groups. The sales they process, But the situation does not only Tehran prices settlement origin. facturers—many of them part of BP Chemicals, for instance, Monsanto Europe, for instance, 1975 with a new agreement companies. In a simple chain Bp's total business.

salers and consumers. The whole pricing policy Any attempt to speed up the and Wilson-fifth U.K chemical part of the British Technical nvestments."

The American-based company within OPEC has an overtone cost recovery process can lead group in terms of sales—seem to Council of the Motor and Petro-delegation of political influence, both to disruption among the small be losing that status. The U.S.- leum industries, among the States themselves and fragmented companies at based Tenneco group, with oil, and externally. It has been the end of the production chain, gas and chemical interests, has suggestions are, the measures intimated that some States Indeed, small plastic moulders, won through the provision of a are palliatives rather than cures might cut back further the faced with high cost materials loan, a right to 50.6 per cent, of The cure lies in a secure atmosoutput of crude from their and, in some cases, a drastic cut Albright and Wilson's equity phere of supplies and costs; a territories both from a political back in feedstocks, are facing compared with a 10 per cent freedom from political inter-standpoint (to put pressure on reduced production, redundan-holding at the end of last year, ference and an allowable profit the U.S. to become less pro- cies and possible closure. That Israel) and from the standpoint is why the energetic chairman dent ICI which takes its feed-logical conservation (with declining and managing director of Victor stock from all round the world present world situation, it is world stocks, oil in the ground International Plastics, Mr. has a 50 per cent, interest with perhaps asking too much that could be considered better than Victor Mizrahi, has spent so Phillips Petroleum in the all of these conditions are

1980 the world chemical demand will rise to only 5.5 per cent, the chemical industry no doubt.

than supplies for energy,

On the face of it chemical companies closely allied to the star oil industry appear to be in the It is not just the rising cost best position, certainly in times that the elimination of five of feedstock that is causing of feedstock shortages and ris- star would release between

Sales terms

Imperial Petroleum satisfied.

At a time when the British longed Governmental control that the bulk of the additional recently, publicising the plight refinery on Teesside. In ICI

Oil companies, urged on by eliminating the top "five star" Nevertheless, it will be feed- grade of petrol which would greater quantities. It is estimated for example, that for every one octane drop on " four petrol, 75,000 tons of 200,000 and 300,000 tonnes. This

Diesel engine manufacturers and road haulage operators in Britain are also being asked to introduce modifications to diesel In Britain's top 20 chemical cations would enable oil com-

Fuel systems

from.

Of the independents, Albright of diesel vehicle fuel systems,

Even the giant but indepen- margin to encourage techno-

We're engineers.
We invent, lay out, design,
Draft, purchase and build
Refineries, chemical plants...
All kinds of industrial installations.

We're international. We span the globe. A dozen locations, four thousand employees. Turnover of \$600 million yearly.

We're inventive. We invest heavily every year Developing new ideas. And building engineering skills.
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Lummus can handle any phase ... or all ... of a project From a detailed process evaluation
To a rough block model
To a plot plan
To a final scale model To computer-drafted isometrics To final engineering drawings To buying all the pieces
To putting the pieces together
To assisting in plant startup. Lummus can do it all On time, within budget, carefully.



LONDON - PARIS - WIESBADEN - THE HAGUE



Linking the national chemical organisations

By DAVID CURRY

European association of chemi- whereby investments together two previous organis- text was clearly needed.

sturdy recommendation.

Cyclical business

announced as the first Director- these circumstances, the associa-General of the new pan-tion reckoned, some system cal industries which brought looked at in a Europe-wide con-

original of CEFIC, which repre-investments earned them a sented the EEC and EFTA pro- sharp rap over the knuckles ducers.

European industry and the lack of definition of the industrial and competition policies of the Commission, his talent for being able to sail through troubled waters must also have been a argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued the first condition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued that the case for co. In addition, the U.S. subsidiaries argued to give information get too tied up in theology. It is possibly argued to argued to give information get too tied up in theology. It is possibly argued to give information get too tied up in theology. It is probably waters must also have been a given that the case for co. In addition, the U.S. subsidiaries argued to give information get too tied up in theology. It is probably the production that had occurred in the production that had occurred in the case for co. In addition, the U.S. subsidiaries argued to give anti-trust tion.

The objectives of the associa- does not insist on a free-for-all investor. tion are stated in the investment policy. It wants to constitution. They are "the see a sensible co-ordination of study and eventual solution of planning in the area under its problem of being: able to sectors of the industry as their all the problems of interest to jurisdiction, but defines this as engineer little more than a needs come to the fore.

the chemical industry in the a system which will be condu. partial exchange of information

The best way for consultation

U.S. subsidiaries

The Press release issued by European industry was caught together round the table and depression, investment plans the Conseil Europeen des up in a depression characterised deciding what, where and when are being formulated as a matter de l'Industrie by excess capacity and reduced to invest is, of course, impos- of urgency. There are, of course, Chimique (CEFIC) put it rather profits. The growth in the size sible, and would never be per certain inhibitions on rushing picturesquely. Mr. P. Braber, it of the industry accentuated the mitted under the Treaty of shead with investment. In Gersaid, "is fluent in several Euro-impact of the depression. Now Rome," accepted M. Emile many, where the big three of pean languages and likes to sail chemicals account for about Raskin, the President of CEFIC. Hoechst, Bayer and BASF are the seas with his family as a 12 per cent, of Europe's indusspare-time activity." The gentle- trial output and its investments defined theology, CEFIC has a production, the Government's man in question was being total around £1,500m, a year. In difficult course to chart. The anti-inflation policies are penalispractical definitions of its own ing investment, while in Britain powers have, in addition, still the price-freeze (on prices set were to be elaborated. While some at depression lows) and the chemical concerns are looking huge sums involved in investfor a body with teeth sharp ment is imposing caution on the ations, one already in Brussels. But there is a narrow tight-enough to monitor investments, industry. However, by the end to represent the EEC chemical rope to walk. The plans of other concerns seem happier to of the year there are likely to industry associations and a the European producers of have a more platonic association be some fairly clear ideas on second in Basic which was the polyester fibres to co-ordinate member states of the CEFIC organisation, This will be One of the problems is the when it has to prove its abilities Mr. Braber was released by grounds that investment by heavy state involvement in some to encourage an orderly invest-Mr. Brader was released by grounds that investment by heavy state involvement in some to encourage an orderly investShell International Chemicagreement and, thus, control of national chemical industries, ment programme to prevent a
greement and, thus, control of national chemical industries, ment programme to prevent a
production would represent an This is particularly true in new lurch into over-capacity
infringement of the Common France and Italy, where the and when it will have to sort out
Commission's thinking receives with the Commission the practical industries are producers had far from complete endorsement.

Polyester fibre producers had far from complete endorsement tical as opposed to the theoargued that the case for co. In addition, the U.S. subsidiaries legical definition of co-ordinatical as opposed to the theoin European industry and the lack

riposted that a co-ordination represented in the association better to treat individual propagreement would violate Article which embraces the EEC prolems as they arise so that they so the Treaty of Rome—the ducers, apart from Ireland, can build up with the Commission Competition clauses.

However, the Commission represented in the association better to treat individual propagation of the EEC prolems as they arise so that they competition clauses.

Norway, sion a series of precedents. Sweden and Switzerland. Spain Thus, it is probable that it will be competitive and the commission of the commission However, the Commission is a substantial producer and try to establish a sound working This faces CEFIC with the sion by discussing individual

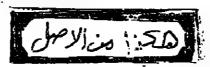
all the problems of interest to the chemical industry in the the chemical industry in the widest possible sense, in particular those of a scientific, and the proper supply of cive to the general social good institutional nature, in which is included collaboration within the framework of the European Communities."

It is the last point which was the immediate objective when the association rame into being just under a year ago. Its immediate task was to devise a system to provide an improved means for considering investment."

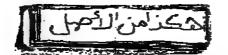
Thus, what emerges is a rather recupation lies in the nature of the competition of the expectation of the general social good institutional nature, in which is included collaboration within the framework of the European Communities."

It is the last point which was the immediate objective when the association rame into being just under a year ago. Its immediate task was to devise a system to provide an improved means for considering investment."

Thus, what emerges is a rather of the reason for this precompetition of the service to determine emergy its exercise to determine emergy its exercise. The undertified emist



The Financial Times Monday September 24 1973



Gloomy times for process plant sector

DAVID WALKER

by companies normally expenditure. ive elsewhere in mechanical ineering; uncertainty over

tors of the economy, espech chemicals producers, in

ack of confidence over on maintenance. are profitability because of The figures are impressive

appening in the industry is less rosy.

el, food manufacturing, electronic plant hardware this the chemicals sector is probable under the contractors with whom the contractors with whom to the contractors with whom the contractor the contractor with the contractor that the

Steady decline

prices-stainless steel is Leaving that aside, expendin out their spending pat- accounted for by heavier invest- however, is open to some ques- figure was but 8 per cent, and suppliers or unobtainable here steadily expanding their export months.

1 and so make the meeting ment by the electricity generation, largely because of the time for 1975 just 2 per cent.

1 demand possible when an tion industry and by the British lag—often a year or more— On exploration and production. The other major sectors this country between investments being size and productions. investment programme-in con- ture taking place. o-day, even though other nection with which some initial

car to have reached them tenance) this year, at late 1972 of a world-wide surplus of campaign to secure a bigger in the electricity industry, the through orders placed in this h chemicals producers, in prices, going up to £541m. capacity.

slice of the action for British heavy plant makers are expected country from abroad and, much the U.K.-owned companies, with industry has done much to the companies of the action for British heavy plant makers are expected country from abroad and, much the U.K.-owned companies, with industry has done much to the companies of the action for British heavy plant makers are expected country from abroad and, much the U.K.-owned companies, with industry has done much to the companies of the action for British heavy plant makers are expected country from abroad and, much the U.K.-owned country from abroad and the U.K.-owned country from abroad and the U.K.-owned country from n increasing their expendible to \$485m. (£180m.) the recovering from its over the Government and there is, and £84m. in 1974 against £56m. their acquisition of overseas still not really as internationally years. But that more reorganiant on new plant despite the still not really as internationally years. But that more reorganiant on new plant despite the following year. For 1972, the capacity problems—indeed in for a multipational their acquisition of the unquestionable. rtages of their industry's actual figure is put at £418m. many sectors, shortages have with an additional £165m. going developed—as demand has risen

ertainties as to the future when compared, say, with the ree of state price controls low point of £374m. plus £120m. been specifically named by recorded in 1869. But the larger

and prices have increased.

More flexibility

But, it has claimed, the price chemicals industry as a part of the difference is freeze and the continuing or factor in inhibiting its accounted for by inflation. If a controls have retarded the constant price comparison is return to profitability in the he clearest picture of what made, the situation becomes far organics, plastics and associated sectors, while confidence in the produced annually by the Total projected 1974 spending future is being hit by un-

vernment-backed working levels seen in 1967 and 1968, plant fabricators and their forecasts could well be exceeded, division of Simon Engineering But the need for the British long and at times painful pro- was opposed by the Davy-Ashty to keep a constant eye on But, it points out, established customers. Forecasts drawn up In the oil industry, un-following talks between the DTI fabricating industry to look care cess of reorganisation, has more Board. More recently, £600m.-plus a year industry, manufacturers will not feel the by the Chemical Industries certainties prevail, quite apart and senior executives of Philips fully at overseas competition established itself as the world's Babcock and Wilcox gained s led to a heavy shake-out full benefit of this because of Association suggest that invest from the vexed question of how who are thought to have and prospects—and especially leading process plant export control of Woodhall Duckham, s led to a heavy shake-out full benefit of this because of Association suggest that invest from the vexed question of how who are thought to have and prospects—and especially leading process plant export control of Woodhall Duckham, s led to a heavy shake-out full benefit of this because of Association suggest that invest from the vexed question of how who are thought to have and especially leading process plant export control of Woodhall Duckham, s led to a heavy shake-out full benefit of this because of Association suggest that invest from the vexed question of how who are thought to have and especially leading process plant export control of Woodhall Duckham, s led to a heavy shake-out full benefit of this because of Association suggest that invest from the vexed question of how who are thought to have and especially leading process plant export control of Woodhall Duckham, s led to a heavy shake-out full benefit of this because of Association suggest that invest from the vexed question of how who are thought to have and especially leading process plant export control of Woodhall Duckham, s led to a heavy shake-out full benefit of this because of Association suggest that invest from the vexed question of how who are thought to have a heavy shake-out full benefit of this because of the process plant export control of the desirability of setting-up control of the process plant export control of the desirability of setting-up control of the desirability of setting-up control of the process plant export the process plant export to the p and prompted considerable panies making specialised the order of 1274m. (at early to be placed with British com- M. Parsons (U.K.), a subsidiary local manufacturing facilities—months to the beginning of of the steelworks plant business equipment for the Continental 1973 prices), going down to panies. At late 1972 prices, of the Los Angeles company of is already well understood. June saw U.S. companies under a deal with Davy-downturn overseas, too, Shelf oil exploration and pro- £267m, in 1974 and then seeing spending on process plant and the same name.

Companies making smaller com-dominate the world scene, gain. Ashmore which made that comught increasing foreign com- duction programmes which a slight upturn to £269m. in equipment in the petroleum The problem is one largely ponents, such as specialised ing nearly two-thirds of all the pany the leading U.K. contractor upturn to £269m. in equipment in the petroleum on the U.K. market in form so significant a part of 1975 and staying at much that refining sector is expected to facing contractors— those valves are already notching up orders placed in Western for iron and steel-making plant. lition to entry into the mar- likely future process plant level in 1976. Some 45 per cent, be 541m. this year compared actually building the plants or a great deal of success, but for Europe for chemical and

Those figures compare with to £54m, in 1975 and another orders largely given out by the world class, the situation is much export contracts, according to a fabricators' major raw ture in terms of 1963 prices estimated actual spending of advance, to £58m, the following contracting companies—but it more difficult. terial—made the costing of shows a steady decline from £312m, last year and £374m, in year. But, at March this year, has ramifications right down the s difficult and brought losses 1968 to 1973 before a slight pre- 1971. For a year earlier, the only 68 per cent. of 1973's line. And added to it is the fact some fabricators; and pleas dicted upturn in 1974 and 1975, figure is put at £381m. How projected expenditure had been that some equipment is simply prospective customers to And all of that, and more, is accurate the predictions are, committed, while for 1974 the not available from U.K.

ricators. Problems in meet ago, is not an optimistic one as expenditure last year was only unless more flexibility is by the Phillips Petroleum group further penetration of overseas world scene and, at the same The past few months alone demand followed by far as the established process £379m, while investment this allowed, investment is likely to for the first phase of the markets, where process plant time, do much to make Britain have seen significant steps and cyclical investment down plant companies are concerned, year is expected to go up to continue to be relatively low, terminal facilities for the North investment is generally rising, a European centre for the attempted steps in this direcn by the process in. It is true that the working £445m, dropping back to £421m, with its forecasts proving, if Sea pipeline planned to take The amount that can be done industry through their sub-tion. At the end of December, strices—chemicals, gas, oil, party forecasts expenditure on in 1975.

Simon Engineering bid for anything, optimistic. Alter-oil from the Ekofisk field off here by fabricators as opposed sidiaries here.

of the total each time is reprewith actual investment of £51m. whatever as opposed to the fabthose at the heavy end of the petroleum plant.
sented by process plant bardin 1972. Next year a drop to ricators manufacturing the industry, where few if any U.K. Power Gas ach £33m. is forecast, with a rise component parts as a result of companies are yet really in a cent. rise in the value of its

Government-sanctioned massive authorised and actual expendi- with last year's £42m. figure cess plant fabricators are steel rising steadily. In 1969, they appointing. ture taking place. for process plant spending and electricity generation, in represented only 53 per cent. gained by them in Western In 1967, for example, the leaping to £159m, both this year both of which hig investment of the total orders for overseas Europe alone fell from £287m. elsewhere in mechanical elsewhere in mechanical need outside this country in resulted in a big rise in both however, is that oil exploration hardware purchases this year tractors: last year the proportial period. Both French and ineering, have been boom the process plant fabricative or any case.

That the deal did not go companies with little or no are expected to amount to tion was 75 per cent.

Specifically, capital expending which, in turn, stimuprevious experience in the UK. £41m., rising to £49m. next fear, and the contractors them lost ground, while U.S. contrough was almost certainly a conditional previous experience in the UK. £41m. rising to £49m. next fear, and the contractors them lost ground, while U.S. contrough was almost certainly a next form out of turn and going up again to £49m. next fear, and the contractors them lost ground, while U.S. contrough was almost certainly a next form out of turn and going up again to £70m. in 1977, and up attempting to step up their but the British drop was by far competitiveness. On both the industries is expected to reach them.

That the deal did not go companies also That the deal did not go companies with little or no are expected to amount to tion was 75 per cent.

Specifically, capital expending was almost certainly a not going up again to £41m. rising to £41m. not go companies with little or no are expected to amount to tion was 75 per cent.

West German companies also That the deal did not go companies also The deal did not go companies also That the deal did not go was almost certainly a not going up again to £41m. not go in the contractors them-lost going up again to £41m. not go in the contractors them-lost going up again to £41m. In 1977, and up attempting to step up their but the British drop was blow to this country's industries is expected to reach them-lost going up again to £75m. the next year involvement overseas, both the contractors them-lost going up again to £75m. the next year involvement overseas, both the contractors them-lost going up again to £75m. the next year involvement overseas, both the contractors them-lost going up again to £75m. the next year involvement overseas, both the contractors them-lost going up again to £75m. the next year involvement overseas, slice of the action for British heavy plant makers are expected country from abroad and, much the U.K.-owned companies, with industry has done much to

e past five years have been ment Office. Its last report, £430m., on the same basis, of programme. The CLA has Industry intervention in the increased business for the U.K. able to that of the big American industry has been carried out, icult ones for process plant published only three months 1968. Using 1963 prices again, warned the Government that, recent £100m. contract awarded fabricators would seem to lie in contractors who dominate the but not yet enough.

Overseas contracts

On exploration and produc- The other major sectors this country by contractors companies' performance in the

Power Gas achieved a 21 per Chemical Age International survey, notching up a total of £344m. in the June, 1972, to June. 1973 period compared been with £284m in the previous 12

Overall, however, the U.K.

Important move

On the fabricating side, too tinuing, and bids have been notable Whessoe's attempt to take over Capper-Neill, a potentially most important move which could have made one of the leading force to be reckoned with throughout the world. That bid business fell through, however, when it was referred to the Monopolies Commission and decided not to proceed rather than argue its case out.

the worst. contracting and fabricating Indeed, it is still clear that sides, the U.K. process plant

cess Plant Working Party of becomes only £455m, at 1963 certainty over Phase Three of National Economic Develop- prices, little more than the the Government's anti-inflation nternational trade

JOHN ELLIOTT, Labour Editor

mion activity

e union activity in many develops his theme. istrics. This is specially

> and sensible to most union Levinson. that they should corate internationally to try ounter the increased power manacements which themthrough · m-operation and rationalise be swiftly achieved.

r international activities. expose themselves to inter- company was cars to be softening.

Labour economist

harles Levinson, a Canadian time on a small scale. has been the secretary s degrees in economies and the third phase.

most recent book provisions.

he growth of multi-national "International Trade Union- Levinson's ICF bases much of panies and the expansion of ism" which was published last its operations on the formation Common Market has led to year in the U.K. by George of world councils for individual upsurge in international Allen and Unwin, Levinson multi-national groups.

of the chemical industry, the international union move files covering their international ch lends itself more easily ment will develop a compre-structure, location of plants memational union co-opera- hensive action programme must around the world, joint ven than in other less technical be to advance pragmatically, but tures, financial statements more labour-intensive indus- progressively, towards full col- labour agreements, the size and I a theoretical level it seems national corporations." says comparative working conditions

Master agreement

"ideally this would involve data bank, says Levinson. es are co-operating inter- a single master agreement. The world councils being multi- covering wage parity and other created by the 1CF-there onal corporations. But, at conditions of work within the should be 25 by the end of this tractical level, these same corporation. Where companies year-will cover the chemical, in leaders find it difficult are ready to make the epochal rubber and glass industries in are up to the tasks of change bargaining leap from an ex- companies such as Michelin, St. their parochial attitudes and clusively national to an inter- Gobain, Pilkington, Shell and iding some of their auto-national position, as they have Dunlop-Pirelli. Another ten are ly which are essential if they in respect of their investment planned for next year. to go to the logical limits and production, progress can

"One would be surprised, of t the same time, some multi- course, to find such enlightenonal companies are loath ment. Even if an individual progressive onal activity, claiming that enough to consider taking the r national managements in plunge, the concerted pressure countries have of others would deter it from quate and effective relation- such corporate perfidy. It will with their own unions, therefore be through direct in is setting up a special European gradually this attitude dustrial action that progress is made.

Levinson believes that this action will start with a union in one country helping another's structure than the pattern bene of the main exponents of strikes or negotiations—as international unionism case already happens from time to industries where European

The second phase would be set up independent of the ineral of the International for this sort of action to be co-dustries' main international eration of Chemical and ordinated to involve several eral Workers' Unions (ICF) unions in different countries e 1964. A graduate of while a "truly international unions involved in the ICF inand Paris universities agreement," would constitute clude the General and Munici-

has before moving into the fact that has come through bership of 100,000), the Transrnational union business in clearly from the U.K's TUC-port and General Workers carly 1950s. Before moving that such developments will be Union. the Electrical and ICF in 1964 he was slow and must be preceded by Plumbing Trades Union and the uly director general secre a large amount of research and Association of Scientific, Tech of the International Metal- preparatory work. This is nical and Managerial Staffs. hers Federation for eight already taking place with With their counterparts in various companies. Data is other countries, they see the evenson regards the forms being compiled by Levinson's logic of international co-operaof a "truly international organisation on 40 mutil tion. But few of them have r to be a "condition for nationals and companies are actually been involved as yet onal trade union survival," being approached for prelimit in major international action. he is under no Hillians nary discussions—in some cases. The day of such action is still ut the changes in attitudes granted and in others refused, some way of although managed this will require from Then inions are moving on to ments around the world will apply the court of the onal union leaders whom try to discuss issues with com- increasingly find the ICF and

companies which the ICF is "The strategy through which looking into will appear on ICF lective bargaining with multi-type of their work forces and One fairly early target is to have the most important collective bargaining information pro grammed for a computerised

Logical structure

Another important level of co-operation is at European level within the EEC-although the British TUC is still unwilling to recognise that European organisations are directed at activities in Brussels. The ICF Common Market. This will function as a subsidiary of the main ICF which the chemical unions consider a more logical ing established in some other union organisations are being union bodies

From the U.K., the main pal Workers Union (which our economist with Canadian But Levinson recognises a affiliates with a sizeable mem

often etasperates with his panies which are not too content the other international union chant for publicity for his tious—such as training and secretariats knocking on their fringe benefits and other social doors and demanding to be met and recognised.

At present there are 30 pictographic signs. Made from 'Darvic', ICI's rigid pvc sheet, they come in three standard sizes.

They are divided into three groups:

1 Red hazard signs. Explosive, fire and electrical risk and fire-fighting equipment.













explosives





flammable



electrical

Yellow hazard signs. Risks other than explosive, fire or electrical.























ear protection

3 Green safety signs. Protection or antidote.









first-aid





Signs designed by Design Research Unit.

Signs for Safety

Every year in Great Britain more working days are lost through industrial accidents than industrial action. Industry's loss is enormous the loss in human terms is incalculable.

Many of these accidents are caused by inadequate danger warnings. Hazard signs have been erected in a confusing variety of sizes, colour schemes, letter styles and illustrations. They lack impact and that can be fatal.

ICI have developed an economic range of life-saving signs, featuring new and striking graphics which signal the danger immediately

and memorably. These signs have already been tested and proved in works situations. They have been installed in ICI plants and factories worldwide and are available to other companies throughout the country.

In the sphere of industrial safety, as in many others, ICI discoveries and developments are consistently helping people to a fuller, better life.



Higher efficiency from inbuilt safety systems

By ISRAEL BERKOVITCH

procedure for controlling loss -as well as the action to be efficiency as well as minimising pleted—BCISC has published a risks for all those involved. booklet on it.

industry is increasing as plants relatively favourable one, and issues as the section of the in. lish the relative priorities. This cident can lead to a large loss of is exceedingly creditable. Dr. T. plant where it originated, stance to eliminate as a priority time. It is this consideration re- A. Kletz of ICI has quoted some source of ignition, nature of any hazard on a new or existing inforcing those based on the earlier work on the fatal material and even time of day plant which is higher than that needs to avoid hurting human accident frequency rate per when a fire started, for guidance for the industry as a whole beings and to keep within the 100m. exposed hours as being on preventive measures. One of tand incidentally corresponds to

"It is fundamentally good law that has led the British 3.5 for the chemical industry been blocked? Is there any business to operate safely so as Chemical Industry Safety against four for British industry way in which designers or manto minimise personal injuries Council (BCISC) to urge the as a whole (or for that matter agers can learn of incidents and proportion of the chemical industry been blocked? Is there any and property losses." Further- practice of Safety Audits as part 40 for coal mining, 57 for travel- with like processes in competibore "all personal injuries and of normal good business opera- ling by car and 1,000 for canoe- tors' plants where these have properly losses can be pre- tion. What do they mean by this ing). Interpreting other data on not led to personal injury or vented." The formulation of term? A safety audit is defined accidents is more difficult as a public announcement? this statement from the U.S. as a systematic critical examina- series of Chief Inspectors of Where the data on hazards are Dow Chemical Company reflects tion of an industrial operation Factories have pointed out, known or thought to be known the move away from consider in its entirety to identify since not all accidents are noting concern for safety solely as potential hazards and levels of fied to them and short term been made to develop quantitative of the stable indication. a humanitarian, welfare issue; risk. To fill out this essential absence is not a stable indicative approaches. There are a numanitarian, welfare issue; risk. To his out this essential about of the severity of an live approaches. There are building safety into the system concept and guide firms on the tion of the severity of an never enough resources to reis now seen increasingly as a objectives, scope and technique injury. in order to secure higher taken when the audit is com-

In addition to possibly Despite the many sources of cidents have been carried out estimating the fatal accident net bigger. Even a small in that of some of the larger firms dustries, principal item of specification might be for in-

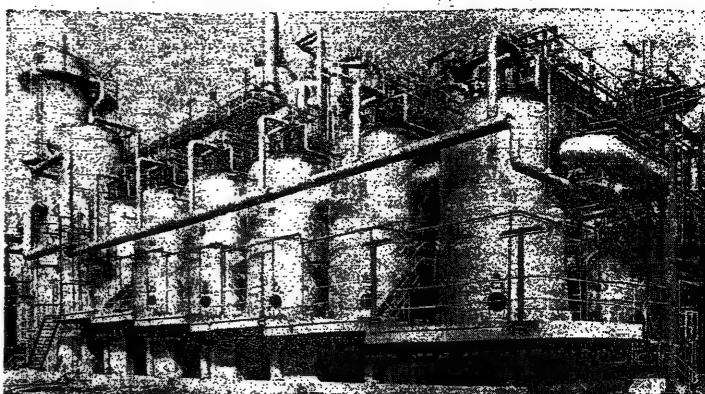
Detailed analyses

tion. H. D. Taylor and P. G. on how often items of equipm companies. They were no trividiture is justified in terms of processes, to be compared have been devised and operated trical circuits have been. The elements of this safety damage of 34m, and the other Based very heavily on statisbuilt up a pressure in a reaction tical methods there is now a the evaluation of the processes, to be compared have been devised and operated trical circuits have been. The elements of this safety designed that ensure that if audit are given as examining the built up a pressure in a reaction tical methods there is now a the evaluation designed that ensure that if audit are given as examining the objectively in their jobs, and leading Division of ICL. Instruments only one of the high integrity accident record, drafting and integrity protective systems.

Dr. Kletz, at a symposium of the Institution of Chemical En-Very detailed analyses of in- gineers outlined a technique for the striking conclusions that one fatality for one man every calls for some careful thought, 150,000 years). Alternatively arises from lack of communi- risks may be compared by ex cation between companies, pre. pressing the cost of eliminating sumably due to ingrained habits them as a cost per life saved. of thought in a competitive situa. These approaches demand data

nove all hazards at once. But hideous human consequences, potential casualty in the both within the industries and frequency rate for each opera-accidents cost money. And the chemical industries, industries, their by such bodies as the Pire Protion and comparing it with a loss potential of the chemical general accident record is a tection Association covering such specification in order to estab-Redpath of the FPA have quoted fail in service and on the likeli- B. A. Buggiam of Lough- limits than earlier ones, run voting systems are used, since pany's assets are effectively two cases of explosions—one in hood that a fatality will result borough University of Tech- ning at higher temperatures and one, of the troubles of these safeguarded by a successful two cases of explosions—one in the safety and loss prevention provinyl chloride polymerisation Several organisations are now mology has pointed out that with pressures, possibly using more instruments is the risk of safety and loss-prevention proplants, the other in phenology has pointed out that with pressures, possibly using more instruments is the risk of safety and loss-prevention proplants, the other in phenology has pointed out that with pressures, possibly using more instruments is the risk of safety and loss-prevention proplants, the other in phenology has pointed out that with pressures, possibly using more instruments is the risk of safety and loss-prevention proplants, the other in phenology has pointed out that with pressures, possibly using more instruments is the risk of safety and loss-prevention proplants.

> built up a pressure in a reaction tical methods there is now a the analyst to discovering dan- with safety trip arrangements trip initiators sends a danger issuing a questionnaire on rele vessel which sheared off 36 one branch of engineering known as ger points. However, even where including automatic shutdown inch bolts. Yet the managements reliability engineering which full information is not available have been duplicated and even concerned had not seemed has been successful in the for such analyses, designers may triplicated on such plants. In aware of the earlier catastrophic electronics, aerospace and know that new plants are addition, Dr. R. M. Stewart has experiences. Has this loophole nuclear energy industries. Dr. operating closer to their safety described how so-called majority



World demand for caprolactam, the monomer used in the production of Nylon 6 grows annually. Nypro (U.K.'s) new £15m. plant pictured here at Flixborough, Lincolnshire, uses a new process developed

where the same catastrophe had hit similar plants in different companies. They were no trivialities wither the same of processes to be companied to processes to be companied by a companied to processes to be companied to processes to processes to be companied to processes to processes to be companied to processes to processes

signal on one measured pro- vant issues, identifying possible perty, the plant is not tripped, loss-producing situations, assess though an alarm is given. But ing potential losses associated if two out of three or all three with these risks; since this is at send the same message, the audit intended to lead to action safety devices operate in full, the further elements are select The complete system is ing measures to minimise losses expensive and is authorised implementing them within the only after the best possible organisation and finally monitor hazard analysis has justified it. Ing the changes. In a unit witi At the BCISC, Mr. D. E. Pick- fewer than 150 employees the bourne, its executive secretary, works manager may well be the steadily urges that attention to man to do this job, but outside occupational health and safety consultants are suggested for should permeate all industrial larger works. Yet, though the activities and committees—de-need to involve operators and sign and operation, obviously, the manual trade unions in this but also such areas as transport, work has been acknowledged labelling, insurance, training these proposals have ignored Recognising the special probable what Mr. J. Morris Jones of lems of the smaller firm, he is Kellogg International has called planning a series of courses the "hero" myth, particularly around booklets directed at just in respect of the construction these targets; happily, the first stages. The man who take three courses are over-excessive risks in construction subscribed auguring well for the or handling of chemicals may success of their efforts. And be wrongly characterised a management, this includes defin- sult with workers is, of course ing responsibilities, identifying intrinsic in the Government's problem areas, defining objec- proposals for a Safety and tives, preparing a programme, Health at Work Bill based or implementing it, monitoring the Robens Report. But it is progress and reviewing its over-doubtful if the behavioural side all effectiveness. This brings us of safety is receiving as much back to the need to introduce a attention regular system of independent chemical and auditing to ensure that the com- analyses.

A large slice of Britain's trade

By DAVID CURRY

i nere's an easier way to make money on cranes

Quite simply don't specify a crane hire outfit that's a bit short on range. You'll get a crane all right - but one to which your application has been strait-jacketed. And that's no way to get value for money. With Sparrow's it's a different story. As the biggest crane hire specialists in the country we have more types of crane than anyone else (right up to the 500 ton Gottweld crane and a fleet of heavy crawler cranes.) And more experience and knowhow in matching up the crane exactly to the job.

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manchester, mutord Haven, Plymouth, Southampton, Scunthorpe, Swanses, and SPARROWS HEAVY CRAWLER CRANES LIMITED, LONDON,

Chemicals figure hugely in embraced by the OECD, with Germany to take a 30.6 per cent. Imperial Chemical Industries Britain's trade. Our imports in West Germany and the U.S. of the total market in EFTA has committed itself to try to 1972 were worth £851m. Our each accounting for more than against a British share of 9.6 triple its sales in Europe by the whether the enterprise is large courageous by his workmater 1972 were worth £651m. Our each accounting for more than against a British share of 9.6 triple its sales in Europe by the exports totalled £961.6m.— £100m. in sales last year and per cent. The U.S. had 10.9 per cent of the EFTA market. The U.S. had 10.9 per cent of the EFTA market. Sold last year, of which more of all goods. The two major ever, account for only about items in our imports are two-thirds of British markets in Australasia and South Africa where her shares were respectively. 29.5 per cent and 29.1 pounds (£257m.) and plastics Europe took nearly half our (£143m.). The same two cate-sales and North America decline over the previous few than 10.9 triple its sales in Europe by the early 1980s from the £234m. it per cent. The U.S. had 10.9 to sales in Europe by the early 1980s from the £234m. it per cent cause from management to a written that the Council recom-It leads to rejecting protective than 40 per cent cause from management to a written state many kinds. Has this beet ment of safety policy to influence and other sources. Given a quick recovery in the European chemical intermediate levels of ways of overcoming it—as distance and the direct tinct from admonitions—beet operators. Like other aspects of developed? The need to conmany management, this includes defin-sult with workers is, of course gories head our exports with accounted for a further £87m. sales worth £254m, and £176m.

respectively. Britain's surplus balance on chemicals has been stretching

from raw materials trade is markets. composed largely of inter-

between industrialised counexporters. Britain's suppliers Her proximity to the Scandi-were limping along relatively are almost exclusively countries navian markets also helped at half the European increase.

Consistent share

Chemical exporters in this over the past few years. From country have held a consistent 1963 to 1968 it rose from £166m, share in world trade over the the U.K. in Australia and New threefold increase in the outto £192m. By 1971 it had past few years. In 1971 they Zealand with 26.5 per cent, and put of products manufactured climbed to £316m, though it edged over the 10 per cent, had 21.7 per cent, in South on the Continent, and it is sagged somewhat last year to mark to 10.2 per cent, after Africa. edging up to that level from 9.8 But Australia and New The basic raw materials for per cent, in 1968. Her exports Zealand and South Africa are the chemical industry are oil, worth \$2,155m, were less than relatively small markets, and sulphur and phosphorus which half those of West Germany the main factor in trade over are imported, though sulphur whose sales were worth \$4.538m. the past 20 years has uncould be had at home; and lime. The U.S. exported chemicals to doubtedly been the growth in stone, salt and potassium which the tune of \$3.847m., giving her sales to Europe. In the period can be obtained locally. Apart a 18.1 per cent. stake of world from 1954 to 1969 the U.K.

Trade is also fundamentally markets. The U.K. held only tries, though there are import markets against the German

decline over the previous few it since mid 1971 the company behind in Australia with 12.2 double sales within three years. per cent. and had a 18.6 per It intends, according to Mr. cent. share in South Africa.

increased her sales to EFTA making new investments followby 11.9 per cent.; to the Six ing the 1972 depression, from composed largely of intermediate materials and finished different positions in individual by 11.8 per cent.; to the Six members of the original EEC different positions in individual by 11.2 per cent, and to the markets. The U.K. held only rest of where the industry has not yet the markets. The U.K. held only rest of Western Europe by 11.9 continuing uncertainty in the per cent. Canada and the U.S. currency situation is adding to each recorded an 8.4 per cent. the nervousness of company tries, though there are important share of 23.5 per cent. and the increase in sales while ship managements when they are disments to the old Commonwealth cussing fund-raising.

years. Germany was well thinks that it could even

Robert Malpas, chairman of the The U.S. came closely behind European Division, to secure a sectors involved will be plastics materials and agricultural chemicals as well as fibres.

Wary approach

This confidence comes at a time when the European industry is somewhat wary of which the industry has not yet

Continued on next page."

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Globe Valve. The HNH Bellows Sealed Globe Valve is available in sizes à to 2 inches in forged carbon stainless or alloy steel and in sizes 21 to 8 inches in cast carbon

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Profit: Many sizes ex-stock.

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ORLD CHEMICALS VII

Varying approaches o plant design

ISRAEL BERKOVITCH

oach is based on applying certainly ne developing world.

t. Britain is to lend India now doing things that they n, for the plant as part of never did before." trochemicals project spond by the Indian Petronicals Corporation Ltd. The will be free of interest maturity at 25 years and merly

cing and the design/ ruction/operation aspects plant for a period. Even local operators have been ed, it is still necessary to Europeans / in igement positions.

Abadan plants

in many developing £50m.

sharply bifurcated paths quete outlets for their skills being followed by plant resulting in technical unemployfor the developing ment. Nevertheless, he and his The first leads to colleague, Mr. Ben Oakley, saw highly instrumented, a continuing major role for the in manufacturing units of consultants not only in the the same kinds as those technical direction of projects see around us in the but also in the planning. tised areas of the marketing and finance, parit is normally the prest ticularly in view of their wide route favoured by the international connections. Enments of the territories dorsing this general analysis of assives. The request to use trends, enother leading conirrements to use locally engineers in these countries hed chemists and engineers, were often competent, their well as locally produced "exposure to chemical enurces. But the other way gingering developments" was well become as important relatively small so that conhe coming years. It is to use tractors contributed expertise alled "intermediate tech based on intimate contact with gy" for chemical and other world-wide research and de-is of manufacture. This velopment But the pattern was oach is based on applying certainly there and well cost, labour-intensive tech-illustrated by the story of two es to make products that plants in Brazil; an earlier living standards and com- butadiene plant had been fully the unemployment that is designed in the U.S. and everyendemic over large parts thing imported, while on current project 75 per cept. of if it is current pattern is well the man-hours had been trated by a recent Brazilian. In fact, governments uncement by the Overseas were almost forcing them into Administration becoming educators. The result eign and Commonwealth was summed up by Mr. Twist, e) concerning the construct of Power-Gas, in the phrase that of a naphtha cracking "all developing countries are

Growing problem

Against this pattern of forwholly backward costs are being met by countries rushing to establish in financial institutions the most modern large-scale arrangements have capital-intensive units identical made in the last few years with those in the technically other plants: they have advanced societies, the interded, for example, three mediate technology advocates liser complexes in India, a argue along these lines. Unemthylene plant and two ployment in the developing liser plants in Turkey. countries is a massive and growils of the financial arrange ing problem. Poorer countries s and the degree of local are investing their limited cipation in both the resources in labour-saving equipment with the effect of forcing standards of the vast widely according to the mass of their people below resources available. In subsistence level. A major shift running through the work being sugar cane — in addition to land, for instance, building of emphasis is therefore advodone at his lustitute.

Shery is wholly a responthe contractor from the mediate out of poverty mediate Technology group and sugar can offer begasse as fuel for chemicals the linter-sugar can offer begasse as fuel mediate the mediate the mediate the contractor from the mediate the mediate the contractor from the contracto onents are available, mackinery in the right places, at the right prices. The capital cost per job created is an involve the minimum of important part of their argument.

The processes should be simple to covering processes.

I. Processes should be simple to covering plant, marine and animal important part of their argument.

I. Processes should be simple plant, marine and animal important part of their argument.

The need to operate the right places, facturing processes.

I. Processes should be simple plant, marine and animal products) generally referring to equipment.

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The need to operate the right places, facturing processes.

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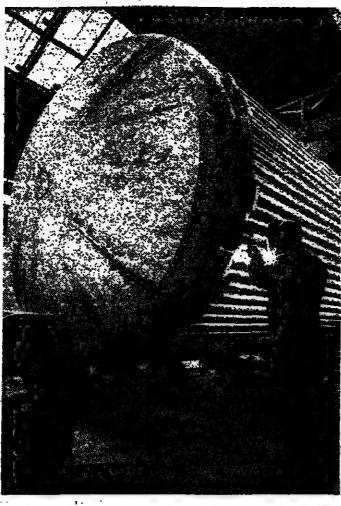
The capital cost per job created is an involve the minimum of equipment.

The need to operate the right places, facturing processes.

The capital cost per job created is an involve the minimum of equipment.

The need to operate the right processes are considered in the processes are consid respect of large plants going to be small. our own Development Areas).

Chemical plants represent many thousands of pounds investment processes capable of operation per job created. Thus in an on scales from very small to per 100 created. Thus in an on scales from very small to area of mass unemployment if medium size. it cost £5,000 to set up a job, the cost of 5m. jobs would be the other hand at £25,000m; but if we could A very small scale process answers are so far patchy. When ian plants are run by design socially productive would be capable of being President Kaunda of Zambia id local managements from means of creating jobs at £10 a carried out in a dustbin, or a asked for help with a process to bottom-illustrating the time, this would call for only 50 gallon oil drum; a medium for making egg-trays, IT found



A stainless steel reaction vessel at the Hyde works

chemicals was that it saved on for use in village industry management. Professor Dudley making soap, destructive dis-Seers of the Institute of tiliation Development Studies said that solvents, tar and pitch, or other this illustrated how the old treatments emphasis on import substitu- molasses, alcohol or yeast. Sea tion at all costs is giving way weed even under these condito a more discriminating tions cannot compete as approach on the implications of source of iodine, but can be projects for the economy as a used for sodium carbonate whole, a theme incidentally ammonia, mixed oils, while

3. Processes should be labour-

4. They should be batch made them uneconomic.

trics to expanding their conductional facilities. What In a report by the Jeruselem locally of sheet metal. Can many. They had designed a University Department of processes be designed in this new type of egg-tray which is a few that Indian protections for new economic criteria Dr. David 1s? For the Indian projects, economic criteria Dr. David only possible but that they may machine designed costing \$8.500 to only account may send out Morawetz examined the petro-embody the latest in techno-making the numbers required a few experienced plant chemicals industry of Colombia logical discovery though trans- and capable of being used for and chemical comparing it with a group of lated into relatively simple other purposes—a modest piece neers to head up a design labour-intensive export indus equipment. What is more some of processing equipment but of some hundreds of local tries. Petrochemicals was found university departments have better suited to local needs. uates. technically very to be inferior on all the criteria begun to take an interest and Other countries stay wedded to

stan, Iraq, Egypt and others petitiveness of costs and prices, referred to methods for fer-tion to this style and magnitude to there was now an out- and in linkage effects on the menting dung to yield methane of plant design—and the big of engineers trained to rost of the economy. The only as fuel and fertiliser as solid contractors are showing some ec level and so far inade- advantage found for petro- residue, for making caustic sods interest.

societies since other sources. notably oil and natural gas, have

Local needs

Are the developing countries How are these sizes defined? themselves interested? The size one would be a reaction the smallest existing machine ble but lacking the breadth used direct and indirect have projects in train for the big prestige projects. But experience in looking for employment created, foreign designing to meet these needs, the logic of capital demands lis. One expert saw it as exchange, saved and carned, In an article in "Chemistry and pressures of unemployment pattern likely in Kuwait, degree of international com- in Britain," Dr. G. F. Reynolds are going to force more attentional com-

ATINUED FROM PREVIOUS PAGE

arge slice

fed, the industry has said doubled. the restraint on prices at equid lead to serious It of oversees markets.

higher than at home.

resolving the investment Shell and BP Chemicals to build European situation generally while medical products and tron British companies are a £100m, ethylene plant in the is likely to be very tight. pharmaceuticals crept up from 1 also with the uncertainties U.K. with a capital of about Two plants are being built in 16 per cent. to 17.2 per cent. he Government's economic consequences, particularly the degree some fibres and many plastics almost finished, while the is less the value of final shiplement of price restraint, and solvents, and European con-Charbonnages de France plant ments but to what degree the moment price levels in sumption is rising by about 7 is due to come on stream U.K. has contributed added U.K. are so depressed, per cent a year and could, it towards the end of next year, value to the products shipped, no been frozen before they a chance to emerge from of the project is heightened by consideration in the U.S. export field, manufacture the souring price of basic feed.

While Europe is the focus of involves the import of a lot of the project is heightened by consideration if has been fairly and for the import of a lot of the project is the project in the souring price of basic feed.

While Europe is the focus of involves the import of a lot of the project is the price.

Ethylene plants

votion of the home market. Ethylene plants have had an terms of individual product with high added value include use of the greater profit unhappy year world-wide. The areas within the chemical agro-chemicals and pesticides. Idemitsu Petroleum Company's industry as a whole. very important element in a very acute shortage with the total. The growth area was traditional heavy chemicals field

1972 depression, that stock. Over 12 months the price Present attention, it has been fairly costly penultimates. rts are infinitely more of gas oil has risen by 80 per hoted that there has been no Plastics on the other hand, are ris are infinitely more of gas oil has risen by 80 per dramatic changes in the contri-home-made from domestic raw button individual markets make material (with the exception of to our export shipments. The pahtha) and make a more subsame is also true of the composi- stantial net contribution to the tion of British export trade in trade balance. Other products

or oversens markets.

or rapid increase in the explosion, the BP cracker at chemical elements and com-factured locally as soon as a -try - trade surplus in the Bagian Bay caught fire on its ponents has dropped from 27.7 market is established. ex months of this year commissioning day, while ICI per cent. to 24.3 per cent. and This is an important factor s the attractiveness of over- has also had trouble with its dyeing materials has slipped in chemicals trade. The radius s the attractiveness of over. has \$190 and trouble with its dyeing materials has suppose in themselves traue. The following markets in Europe where Wilton cracker. It is estimated from 14.3 per cent. to 11.1 per of the sales areas which plants levels are up to 30 per that the new plant, if it is cent. Essential oils have also can supply economically is levels are up to 30 per agreed, must be on-stream by lost weight declining to 8.9 per shrinking, and the very heavy early 1977 if there is not to be cent, from 14.1 per cent, of the costs of distribution in the

Mr. Logan:

nity. I notice this

at every one of our

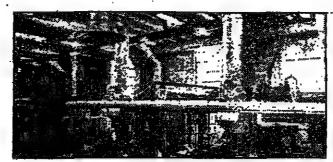
which can still be traded around

Furnished situation is the consequent search for new clearly plastics, which rose from dictates to some extent the real being discussed by ICI, suppliers at a time when the 11.3 per cent. to 18.7 per cent. establishment of local plants.

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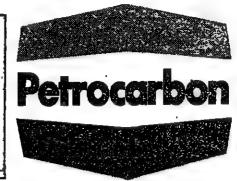
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WORLD CHEMICALS VIII

Sharp falls in investment

By ANN TAYLOR

pared with 6 per cent. for all delayed. industry, the economic recession

New investment worldwide in

starting this decade hit the in-

Frozen prices

serious cut back in investment South America. favour of overseas investment overseas - accounting

While capital investment in Already, a vital decision on the \$1,330m. in 1971 outside the the chemical industry worldwide next major ethylene plant for U.S., or over 15 per cent. of showed an 11 per cent. annual the U.K.—basic building block total chemical investment in growth rate in the 1960s, com- for chemicals - has been these areas. Over 50 per cent.

starting this decade hit the industry when it was down. 1970 totalled some \$11,540m. It will was characterised by extensive also be more selective. A survey changes in the distribution of costly under-utilised of export contracts by Chemical investment both by product capacity, more large plants Age International this year, sector and on a geographicalcoming on stream, slower which gives some guide to the basis. West Europe has demand growth, leading to a state of investment around the remained the most important substantial drop in profitability world, showed the total value of market, followed by the Middle and many chemical producers these contracts at £4,574m, or East; then comes East started to cut back on their 15.7 per cent. below the pre- Europe and the Far East. vious year's £5,430m.

investment by Chemical Age not the only ones to carp about leading product sector, repre-International on a country-wide the problems of raising prices, senting 44 per cent, of spending basis have shown sharp falls the competitive situation which in West Europe or 18.5 per cent Dasis have shown sharp falls the competitive situation which in West Europe or 18.5 per cent. — 20 per cent. drop for Benebard is aggravated by continuously of world investment, with lux. 33 per cent. for the rising pressures on profitability, Netherlands. 37 per cent. for and currency fluctuations, all of Italy, more than 23 per cent. for which make it difficult to plan and well below 1971. Again, France and 5.7 per cent. down investment for the future. Hoechst chairman. Dr. Rolf important area in the world for Hoechst Chairman. Dr. Rolf heavy organic chemicals investment, remarked recently that Association forecast a drop in the German price index for third in importance, displacing than in 1962. U.K. prices are £290m, from a provisional figure than in 1962. U.K. prices are inorganic chemicals, with the £290m, from a provisional figure than in 1962. U.K. prices are bulk of spending in the development of £362m, in 1971 over than Continental European share of fertiliser than the provisional figure of £362m, in 1971 over than Continental European share of fertiliser the next three years, U.K. ones. Hoechst is increasingly investment places it third, after chemicals spending should investing in plant in the immethe Far East and the Middle remain static at around £300m, diate vicinity of its markets and East. Inorganics come fourth. has emphasised that opportnas emphasised that opport-unities for expansion lie mainly very large increase in producin overseas production.

J.K. companies are complaining by Government measures, in tain that growth, enormous bitterly that insufficient profit cluding an investment levy in sums of capital will be required. ability, frozen prices and lack the former and a possible One recent prognostication ability, frozen prices and lack regional selective investment was that, if the U.K. economy irastically holding back investment tax in the latter. Numerous Gergrew at an average of 3.5 per ment. The CIA have told the been postponed and in 1972 maintain their projected capitalterms that the British chemical domestic investments fell by to-output ratio, the industry industry has lagged seriously DM800m. to DM4,500m. Dutch would have to invest around behind other industries in chemical investment is expected \$3,000m, between 1973 and 1977.

controls may tip the balance in tion made by U.S. companies

of this was in West Europe.

Major changes

There have been major

Petroleum refining Recent surveys of chemicals U.K. chemical companies are related projects remain the

tion of chemicals to meet German and Dutch chemical demand throughout fire 1970s

announcing investment plans to fail to below the 1972 level A large part of this financing this year—a situation which will of Fl.1,525m., compared with must come from profits and the Fl.1,832m. in 1971.

The technical advances which made possible the economies of scale and helped reduce prices plants will only be economic in qualms. a few parts of the world. In

Definite dangers

of olean plants has risen fully transported by ship. This chloride monomer and ethylene Grangemouth and/or dramatically from 70,000 tons/ means that the 1980s will see glycol plants at Guayanilla, a Bay. cracker at Wesseling is limited energy to the conventional 450,000 tons, chemicals.

ead time between investment research decision and completion of con- applied to derivative, specialised struction is longer and the con- chemicals. itself before new plant is operating at seas, including, no doubt, the full capacity and the lowest ore. U.S. full capacity and the lowest production cost achieved. Even worse, it can flood the whole

E. Werner, a managing director of Royal Dutch/Shell

10 per cent, of the total capital innumerable cost of a new chemical plant exchanges. now goes for anti-pollution In Japan there are many equipment and environmental joint projects, supervised conservation devices. Another by MITI, particularly for is that, unless the economics of ethylene. At Wesseling, West chemical production become Germany, ROW (the child of more attractive, there is no BASF and Shell) started up its reason why the oil companies cracker this year. ROW supply should channel their limited butadiene and styrene to feedstock resources to this end. Deutsche Shell Chemie from Indeed, to encourage future plant designed and built by investment, there must be a BASF, to feed Shell's val-

escalation risks with the Other newly announced multi- In Iran, a joint venture The present picture is of con- trans-national ones, include Du Japan Petrochemical Companies siderable co-operation by major Pont (U.S.) and Rhone-Poulenc is planning a \$70m. inves chemical producers operating a (France) for adiponitrile, for ment in styrene butadien network of plants, partly on a nylon 6,6 production in France; rubber at Bandar Shahpur joint basis, partly without inter- ICI (U.K.) and UERT (Spain) 1977. Thailand has a join locking capital arrangements, in a methylamines project for project with Japan for a \$280n. tries down the line, who depend BASF investment is actually supposed to take care of this, on the chemical industry for rising this year, though a large by facilitating lower prices and over the U.K., Belgium, France, finery for North Atlantic Oil Canada, SOAP is a \$150c. their raw material supplies, proportion is going to overseas more economic production. The Germany and Austria. In each (U.S.), Carbonafta of France 1,000m. Ibs-year ethylene pr Such shortages have already hit and they are planning very con-buge volume plants must push of these plants, as well as being and Techmashexport (USSR); ject at Sarnia for Du Pon hard in the plastics sector, for siderable U.S. investments in companies into more sophistical abase for the regional market, Mitsui (Japan) are planning a Polysar and probably Unio example.

The detail of these plants, as well as being and Techmashexport (USSR); ject at Sarnia for Du Pon hard in the plastics sector, for siderable U.S. investments in companies into more sophistical abase for the regional market, Mitsui (Japan) are planning and probably Unio example.

Carbide Dow having lately with the next five years. This is cere-cated planning and, probably, an assortment of products is \$200m. Unless the Government's tainly one trend to watch— closer to the consuming end of made and supplied on a supra. Sumitomo (Japan) and the Phase Three anti-inflation policy increasing investment by Euro, the market. Hence the import-regional basis to the whole Euro. Singapore government are cocases price restrictions, the pean producers in the U.S. and ance of CEFIC, the new pan- pean market. This distribution operating in a 300,000 ton ethy-European association of national of labour permits a high, con-lene plant and downstream chemical federations, whose ob- tinuous utilisation of plant plants with other Japanese com-Jack Callard, ICI chairman, has plant investment in the last ten figures that have sufficient tries, anxious to exploit their 1977. authenticity to be used as a raw material resources, as yet basis for forward investment there is no local market and petrochemicals complex. South planning by the industry they cannot compete with plants throughout Europe, with the in the highly industrialised involving a 300,000 ton cracker backing of the European countries because of freight.

Grave doubts

drastically over the last decade However, things are changing. Japanese owners. It was a supplied to the history of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather Spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl of Texas is the country of U.S. chemicals natural gas from Sumatra rather spaghetti Bowl cannot be maintained in The history of U.S. chemicals natural gas from Sumatra rathe definitely. Indeed they will be points a lesson. The U.S. petro-than naphtha as feedstock. of far less significance in the chemicals industry developed future. The sanctity of the idea on the east coast where the raw of joint venture and exchange companies along 2,000 km. that the larger the plant, the materials and markets lay and links are also common—the pipelines. This started will lower the costs of production grave doubts surrounded, the latest being a plan by Romania transport of ethylene in 195 has been somewhat undermined prospects for the Guif coast, and Yugoslavia whereby the In Europe, the ARG gri and its generally agreed that However, the abundant (until latter will supply 52,000 tons/ principally involves ethylen the optimum size for a plant recently) supplies of feedstock year of ethylene and 50,000 tons moving between producers an must be calculated on the size and energy and low prices for of propylene to Romania while, customers in the Netherland of demand for its products. In them, plus the advantages of in exchange, Yugoslavia pur. West Germany and Belgium future, the very large olefin water transport overcome any chases chemical raw materials, and soon to include France

building a number of rather petrochemical industries, conhave a joint company, Puerto work will stretch 1,000 km. smaller plants.

centrating on first generation Rico Olefins Company, which chemicals, thus utilising their gets feedstock from Corco for connects ICI with Shell and Over the last decade, the size and ammonia can be success larly ethylene, for PPG's vinyl eventually year to 500,000 tons. A 1m the more sophisticated second tonner is technically feasible, and third generation chemicals but no one has built it and being made in the U.S. and Professor Timm of BASF has other developed countries and publicly expressed relief that the producing countries will be his company's plans for such making inroads into these a plant were not carried out, secondary industries. The more There are definite dangers in sophisticated second and third having so large a plant at one generation products are less location." Instead, the ROW sensitive to raw material and costs than basic . Hence the trend With the larger plants, the towards greater emphasis on

Furthermore, the availability comes vulnerable to many out. of large sums of capital to the side influences. Thus large sums oil-producing nations will of capital can be tied up in an inevitably entall further invest unproductive way for some ment in the downstream pro-years. It can be a long time ducts and also investment over

Ethylene plants

In future, many if not most The industry is subject to of the major new chylene worldwide inflation on costs, plants in Europe will be built while continuing growth in and operated by several comdemand exists worldwide, 50 panies, such as the already does the threat of overcapacity mooted ICI-Norsk Hydro or remain. "Failure to strike the ICI/BPCI ventures and the correct balance between co. existing French Association du ordination and competition Steamcracking unit at Feyzin could undermine the financial (a consortium including Elf structure of the industry, with Aquitaine, Solvay, Rhone-disastrous social and economic Progil). The industry is already consequences," according to Mr. noted for its incestuous relationships, particularly at the large port complexes such as Rotterdam, Antwerp, Fos and One factor that needs to be at Grangemouth, Feyzin, Pernis taken into account too is that and Moerdijk, where there are

		. Ali projects				In band		
	19	73	1	972	19	73	19	72
	No.	£m.	No.	. £m.	No.	£m.	No.	£m.
West Europe	308	1,294	847	1,652	175	822	220	1,188
Middle East	118	925	88	831	88	705	75	782
East Europe	190	671	160	746	· 149	544	119	587
Far East	173	671.	154	858	134	497	113	731
Latin America	131	489	111	702	97	343	73	337
North America	67	282	53	.297	49	246	31	137
Africa	44	162	41	244	30	132	23	115
Australasia	31	80	27	100	19	62	16	76
TOTAL	1,063	4,574	981	5,430	741	3,451	672	3,975
Source: CA	I Expor	t Contract	s Sur	vey June	15, 197	3.		٠.

TABLE 2—INVESTMENT IN WORLD	Plustics.	Heavy	In-	Petrol'm	Ferti-	Industria
	filmes*		_	refining†	lisers	gases
West Europe	67.3	301	86.0	373.0	122.5	55.0
East Europe	118.2	234.5	54.3	103.5	1143	30.4
Middle East	51.2	34.3	. 9.3	436.1	198.5	4.2
Far East	27.0	141.2	31.2	165.1	227.0	16.6
North America	4.4	23.5	4.3	165.2	34.8	11.0
Latin America	45.3	111.0	7.6	206.0	84.5	2.3
Africa	6.5	0.7	9.5	47.5	49.3	7.2
Australasia	5.8	2.0	5.6	31.5		2.8
Total (£m.)	275.7	848.4	207.8	1,727.9	821.0	119,6
Total (per cent. of total investment)	8.2	18.5	4.5	37.8	17.9	2.6

 Category comprises plastics, synthetic rubber and synthetic fibre projects. † Including nature At this moment, however, investments are also threatened and into the 1980s and to sus gas projects. Source: Chemical Age International Export Contracts Survey June 15, 1973.

sharing of the feedstock price canised rubbers production.

company ventures, including the State with Japan - Ira

European countries because of freight and related facilities. The ethy the large and growing traff and costs. owned by Japanese and Indone- bulk movements of large to sian interests while the down-nage products, which his stream units will be exclusively entailed increasing investment However, things are changing. Japanese owned. It will utilise in pipeline networks. The

most others, the demands will in the Middle East. The oil pro- joint synthetic proteins project, vinyl chloride can be move be met more economically by ducers will instal their own In Puerto Rico, Corco and PPG this way and by 1974 the ne building a number of rather naturalization in the protein own In Puerto Rico, Corco and PPG this way and by 1974 the ne vast raw materials and energy olefins production and in turn depending on where the new supplies. To-day, even ethylene supplies raw materials, particu- cracker is built, may we

complex wholly owned by PPM

drawn.

Undoubtedly, joint ventus projects will multiply in the future as capital financia

Pipeline networks

Another significant feature In the East bloc, these types ducts carried by around 10 The combinations are endless. Other products, such as prop A similar picture is emerging In Italy, BP and ANIC have a lene, ammonia, chlorine, an

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and supply of complete plants for chamical industries - a necessary

CPI specializes in the international when co-operation between financing, consortium management different companies has to be organized. There are two ways of doing mical and this, either working with an engineering contractor, or procuring a service when the supply of new complete equipment package. CPI capital is severely restricted and works in both of these ways.

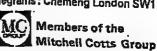


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Why tanker rates are 'ridiculous but credible'

By JAMES McDONALD, Shipping Correspondent

35,000 deadweight tons, with ships free for charter.

ation this spring of the nergy gap, and the panic d by the militancy of the . A tanker broker has estimated in oil exporting nations, that a second-hand supertanker

er, followed by an autumn 285,000-tonner.

O-YEAR-OLD supertanker large profits for tanker owners

g about \$30m. at contract . As a comparison at this time sold last month for over in 1971, the charter rate for oil tankers, according to the without any lucrative Mullion index, was Worldscale r contract. Freight rates 57. Last year at this time the rw so high that, on single index was 96. At the end of last 28, medium-sized vessels week it had reached a record upertankers can earn a 325. Yet on a single voyage, of almost 700 per cent. 300,000 deadweight tons can reak-even operating costs, breakeven on costs at charter dition, there is a heavy rates between Worldscale 40

and by U.S. oil companies and 45.

lartered tonnage to feed Despite higher operating untry's energy demands.

t is the current picture are therefore highly attractive. oil tanker charter market. One broker instanced the case er rates for oil tankers are of a 250,000-tons supertanker. ir highest-ever level, and chartered for a year at a rate s in the tanker market—
edily not always noted for a ship would need about \$5,000
a day for operating expenses, te forecasting—can see no amounting to about \$4.4m. over s decline in rates before a year. With an income over the year of about \$26.3m. gross, the main reasons for this net return after operating costs led boom are the belated would be about \$22m.

Lnergy gap

in the 250,000-ton range, sold oid companies have this year for about \$80m., can through the winter and into several costly alternatives durindustry are to charter tonnage. The earn about \$10m. per round next spring.

L This has not happened "The rates are ridiculous but With ports able to accept smaller tankers, so creating yet ear. On the contrary, the credible," said a leading tanker tankers of only 80,000 tons more demand on the tanker

TANKER CHARTER INDEX WEEKLY SPOT MARKET INDEX BASED ON WORLDSCALE RATES FOR ALL DURTY CABGOES IN MAIN LOADING AREAS

gap in the next few years.

ear. On the contrary, the credible," said a leading tanker tankers of only 80,000 tons more demand on the tanker owners are finding that it may ter's managing director, says:

Shows the rise in rates broker, who also foresaw a con-loaded on its east coast, the market.

be as profitable—and safer— "Shipbuilding has been on the dry cargo freight market seem merchant shipping since Janks market the contracts for ships losing end of the wicket for 30 agreed that the outlook for ary, 1971.

BY DONALD MACLEAN

chairman of the committee, said.

National savings hit

by interest rates

ing this time. In the long term, cyclical, and professionals tend in selling some of these ships s need for oil will not, of trip between the Gulf and the The broker's forecast, was it may dredge channels and to "sell out" at the peak of a other shipowners. Meanwhile, according to one leading broker, expectedly and upset current, of chartering. But the month basis. In a year, such a interruption of supplies from to 300,000 tons on the east y this spring eliminated ship should be able to earn the Gulf and Libya to western coast. In the short term, it stances even the professionals Swan Maritime intends to order tranship. The broker's forecast, was it may dredge channels and to "sell out" at the peak of a. y this spring eliminated ship should be able to earn the Gulf and Libya to western coast. In the short term, it stances even the professionals summer setback in gross around \$60m, at current and U.S. customers. Assuming must consider offshore tranship statistics, are rates.

Frates.

Frates mally there is a fall in sense of the \$50m. sale last U.S. demand for on from the terminal of the A. P. Moller Gulf and Libya to fill its energy where 300,000-tonners can off- accept safer three to five-year carriers to bring total orders to trading—about \$2 to \$3 more and representing well under 0.5 more form load into tanks or directly into timecharter contracts.

reasonably early delivery. A in some of the cyclical profit-healthy for the rest of this year supertanker ordered two years ability of our customers," and and perhaps well into next year ago with delivery next year its arangements with MFC are For despite a decline in transmish commendation of the cyclical profits and the state of the perhaps with the commendation of the cyclical profits and the cyclical profits are profits as a second of the cyclical profits and the cyclical profits are profits as a second of the cyclical profits and the cyclical profits are profits as a second of the cyclical profits and perhaps with the cyclical profits and perhaps with the cyclical profits and perhaps with the cyclical profits and perhaps well as a second of the cyclical profits. the contract price of up to 75 freight rates can work back- to \$11.75 per ton in August, per cent., if only because most wards down the chain to benefit other rates reflect the trend of the world's shipyards have the shipbuilders. full order books up to 1977 and The dry-cargo tramp shipping Eggar Forrester, the London

ship financing, leasing and able profits. Here too, events \$12.97! in July, and contracts chartering field this year have confounded forecasts that were negotiated at between through its analysis and the state of through its partnership with rates would fall from the spring \$9.25 and \$9.50 for 1974 com-Maritime Fruit Carriers of the peaks. Maritime Fruit Carriers of the policy.

U.S., in a new company, Swan Large U.S. grain sales to years' trading.

Waritime. This company, in Russia in the middle of last in the period charter dry market there has been which Swan Funtage has a 25 year signalled a turn-round in cargo market there has been which Swan Hunter has a 25 year signalled a turn-round in per cent. interest and MFC the the dry-cargo freight market, remainder, has placed an initial With a better Russian grain order for 20 ships, worth about barvest this year, the USSR may £150m., with the Swan Hunter not have a similar influence on tankers or ore-bulk-oil (OBO) demand is being filled by imcarriers for delivery between ports of grain and foodstuffs into the Indian sub-continent at 1974 and 1976, With the current demand for

tankers for early delivery to take advantage of high freight rates. Swan Maritime could make a considerable profit (and there are suggestions in the traditionally trade that it might do just this) over £500m.

In this situation some tanker Mr. Tom McIver, Swan Hun-month ago.

they have on order with years. We hope to share more tramp-ship owners remains very might command a premium over a means whereby profitable atlantic grain rates from \$12.5

One example of this concerns spectacular rises in rates over Roads to Japan coal trade, rates the major British shipbuilder the past year, but they are still last month reached a record of Swan Hunter, which entered the at levels which offer consider-

These will be super rates, but the possible gap in high freight levels.

Outlook

shortage of tonnage, "drama- confident about the future, tic" rates have been paid by Certainly there is no hide in selling some of these ships charterers to cover August and surplus of shipping which for 1974 or 1975 delivery to first half of September positions, could enter the market un-

more accurately? according to market has not shown such brokers. In the U.S. Hampton mencement for one or two

> a steady demand for tonnage at rising rates. Ships in the 25,000-27,000 deadweight tons range are obtaining about \$7.25 compared with about \$6.00 per ton at the beginning of August.

It is usually unwise to fore-cast too far ahead in the shipping industry. But in the tanker sector, forecasts of increasing demand for energy and on the dry-cargo side, fore-In the Far East, mainly casts of expanding world trade because of a considerable make ship-owners unusually

Certainly there is no hidden than the profitable levels of a per cent. of the world merchant month ago.

per cent. of the world merchant fleet, were lying idle. This was

abour News

eath meeting sought n London teachers

eatened breakdown of another. lon services in London.

rial case?

has led to the recent report with pay claims on behalf of workers who, they believe, the threatened break net capital city's education of part-time ducation of part-time characters.

The threatened break net capital city's education of pays Board's failure to need an increase of 47,000 gas workers allowance."

Several other unions are plantage have been asked by the monetary. National Savings channel at the authorities not to exceed in the authorities not to exceed in the moment is the British Savings case of deposits under £10,000. Bond, which brought in £99m. The building societies have in net in August, and £39.5m. over the same time reversed an the April-August period. Over the same time reversed an the April-August period. Over major investment rate from a \$\frac{1}{2}\$ per cent. Bond earns interest tax-free 6.75 per cent. (or 9.64 of 9.24 per cent. grossed up at the standard tax rate. Table Page 37

OUR LABOUR STAFF

OUR LABOUR S eek an early meeting with correction of anomalies which me Minister following the had arisen either because the pay Pay Board report on freeze had broken a link between lies which the union upset formal pay procedures is directly responsible for used to compare one group with

on services in London.

As part of its London allow meeting of the NUT is ance campaign, the NUT is the members "consider that, notional Savings movement are calling for an early meeting of the week-end-decided so for urgent payment of the teachers' Burnham Commit the teachers' Burnham Commit the teachers' Burnham Commit the initial impact of the strong for the first five months of the financial competition very well."

Sharply increased competition interest amounted to a sum less than the £53.6m, required to meet the July official measures to raise meet interest payments on national Savings and to call a meeting of its the movement has followed the interest payments on national Savings Cartificates.

freeze. electricity supply manual Board's report to the workers pay settlements.

nion conference seeks

a Transport.

London district council, the leastet explains that the leastet urges people to write to cont cut in services on the chairman of London Transmodon Underground since port and to MPs demanding that s due to a chronic shortage immediate action be taken to I among train grades. It speed the wage talks.

nfair sackings: 'cash for 97%'

As part of its London allow-

the July official measures to raise meet interest payments on interest rates in general, largely National Savings Certificates.

In August alone, there were

Approaches will also be made its continuous distributions of the New Several other unions are plantices and to public sector unions distinct assets for London failure to statisty similar cent. The statisty of the New Several other unions are plantices and the statisty of the statisty o

nend an increase in the Lenders of 47,000 gas workers allowance." says the are likely to decide this week to lodge a claim, while unions hars leaders believed they representing 27,000 water lablished a case for raising workers will discuss early next lowance to £306 a year month whether to lodge a the Government's pay separate claim for special payin submissions to the Pay ments or to include the demand in July. They claimed that in a general wage claim to be tent on allowances would submitted in November.

Both groups claim established it for the intervention of pay links have been broken with electricity supply manual

Kenya claims £7.5m. bill as IMF host

BY JOHN WORRALL

27.5m. in foreign exchange from delegates and observers. plus the World Bank-International many wives, and over 500 journalists staying in Nairobi

NAIROBI, Sept. 23.

The difficulties facing the

KENYA is already claiming with 3,500 big-spending officials.

TION CONTESTINE CASE

OUR OWN CORRESPONDENT

ERPOOL TRADES Council the national building workers for at the week-end strike a year ago.

If action on October 3, and the delegates the 1875 Conspiracy and strike a year ago the 1875 Conspiracy and the delegates the 1875 Conspiracy and the strike a year ago the 1875 Conspiracy and the october 3 that of a strong the 1875 Conspiracy and the provinces the prov

Only two U.K. ships idle

reports to-day that only two U.K. 31. 1971, when 135 ships of ships, totalling 11,000 tons, were 743,000 tons were idle. laid up for lack of employment THAN 27 per cent. of In his book, Unfair Dismissals at the end of August.

THE CHAMBER of Shipping the lowest figure since January

REMPLOY PLAN

rees found to have been and the Law, which is published. This is the lowest amount of y dismissed, under the by the institute of Personnel idle U.K. tonnage for almost Glasgow planning sub-compensation, it is adds that although the Act to be laid up.

This is the lowest amount of ACCEPTED

Glasgow planning sub-compensation, it is adds that although the Act to be laid up.

Throughout the world 173 space of \$5,000 square feet. It is hoped to employ about the most common remedy.

The most common remedy.

This is the lowest amount of ACCEPTED

Glasgow planning sub-commission to construct a single-story pactory in the Springburn industrial estate with a floor. Industrial estate with a floor says that in the first year compensation, in practice an act only about 2 per crut, award of compensation has been inserebant ships, totalling 795,000 the most common remedy.

Nixon more unpopular

FINANCIAL TIMES REPORTER

Tyne/Wear radio

the Tyne/Wear radio contract, chief executive.

Savings Committee are "per 91 per cent. was a common bid turbed by the effects of unprace- for similar periods. dented conditions in the fixed interest security market," Sir Shortfall Robert Bellinger, president and

published yesterday.

METROPOLITAN Broadcasting, programme plans will not be the local radio group headed by published until then.

As well as occupying the post of chairman of of chairman, Sir John Hunter, is to be awarded also Metropolitan Broadcasting's ling to a U.S. public opinion poil the attempted coverup.

The poil is published on the building the post of the property of the strength of the st PRESIDENT NIXON'S popu-majority still believe he knews

the Tyne/Wear radio contract, the Independent Broadcasting NATIONAL SAVINGS receipts decided on an increase to 7.5 per continued to exceed withdrawals cent. tax free (10.71 per cent. in August, as revealed by the preliminary returns, which show At the same time, small savers net receipts at £24.8m. commonth. last year.

Members of the National or more, whereas in mid-July Savings Committee are "per of the Company will not be turbed by the effects of unprace-for similar periods.

The news comes two months at general manager is Mr. Brus Lewis, for the past five years a presenter and newscaster with Tyne Tees Television.

Among the company's other directors are Mr. Bill Elliott, conservative MP for North, Mr. Jim Harper, regional secretary of the upon Tyne North, Mr. Jim Harper, regional secretary of the upon Tyne North, Mr. Nixon made a television speech. Trades and Technicians, and Mr. Nixon's are completed. Broadcasting is likely to start next summer, and director of Vaux Breweries.

The poll is published on the In a nationwide Gallup poil, eve of a new round of televised only 35 per cent. of those inter-wise affair and related political only 55 per cent. of the way he gate affair and related political and related political solutions on the fixed the Independent Broadcasting in the save, past five the Isa namager is Mr. Brus Company's other directors are Mr. Bill Elliott, Conservative MP for North, Mr. Jim Harper, regional secretary of the upon The poll is published on the

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COMPANY NEWS + COMMENT

North Eastern Timber profit upsurge

PROFITS IN excess of 10.67m, against 10.4m., are forecast by North Eastern Timber for 1973.

On an external turnover up

will exceed that for the first.

period reflects not only the higher sales but a favourable variation in their composition in that a larger proportion was derived from larger proportion was derived from emphasis on food crops and the subsidiaries whose prolitability is long term aim is to reduce rubber traditionally.

to 105p per 20p share net—cqual to last year's 15p gross. The 1972 ally being evaluated. Meeting, Kuala Lumpur, October gross total was 2.8470p. "all coar 1972

Exicipal surnuser Profit before (ax	: ; ,(7), e401 335,100	4 40 - 040 150,300
Tawallan	125 930	130.300
Vet profit	(in 190	10.4 ,00
Minarlines	5 (45)	1,773
Interim dividend	*4.(9)	774 95.
1 Net on 1631 329 \$521,0284	agetal sale	O-a UII

comment

North Eastern has considerably more than doubled six-trouth prolits on a rise of two-thirds in sales, so the group is not in sales, so the group is not lazging behind any in the great timber profits rare. Taking a year ago—will affect the current year of the year suggests a prospective pe of 8,8 net which represents a premium of a couple of points over the big softwood companies. But then softwood companies. But then again the U.K. profit would more adequately reflect the most of its lamber activities are heavily related to the hardwood, plywood and veneer fields with all that implies for a cushion against any downturn in residential housebuilding.

Increased fat prices—more than wice the cost per ton than a year ago—will affect the current year profit of Cussons Group.

Says the charman, Mr. S. H. Cussons.

He would "welcome " a return to a more stable economic climate when again the U.K. profit would more adequately reflect the "prominent market position which the company's products heavily related to the hardwood, plywood and veneer fields with all that implies for a cushion against any downturn in residential housebuilding.

Consolidated **Plantations**

Any major depression in rubber and paim oil prices seems unlikely in the foreseeable future. Consolidated Plantations chairman Wr. D. W. Pinder, Jells members-but

most of the period to March 51, in a turniver of £454,462, 1973, but, however, towards the A geographical breakdown of end they began to move unwards turnover and profit (in percent-Prestox profit for the oerlod agest) shows U.K. 72.1 and 67; —April 18, 1972, to March 31, 1973, Europe 3.7 and 4.9; Africa 5.2 and —was £1.77m (£1,85m.) and the 1.1; Asla 5.3 and 7.4; North and final dividend is 16.87 per cent. South America 3.8 and 5.4; less Malaysian tax. The 3.5 per Australasia 9.9 and 4.2, cent, net interim was paid in the Meeting, Manchester, October 16, U.K., before the transfer to noon.

Outlining the overall impact of the acquisition of the Scalleld Estates, Mr Pinder says the area under rubber has risen from 48.000 to 80 000 peres and that under oil nules has more than doubled from 22,000 to 50,000 acres. If Zambia Copper Investments has Senfield had been included for been advised that the trustee for the year 1972-73 crops of oil paim the 8 per cent. Zimen Bonds 1978 he points out.

is being extended to 15 months as previously announced, the ending June 30, 1974, to align company is now obliged to repay the financial year with the parent in full its own 1978 loan stock, and to hand to lincluding recent acquisitions in redeem the stock on October 17, is proposed to replant about 3,000. In view of the arrangements is proposed to replant about 3,000. In view of the arrangements is proposed to replant about 3,000. In view of the arrangements is only only or products in as well as 800 acres with cocon, and interest us announced on suitability aside it is part september 6 will now fail away, companies in the U.K. and one extraordights and the basic strategy to place. Details, Page 10. In Holland with 18 factories and office and office and of the basic strategy to place. being extended to 15 months

On an external turnover up sharply from £4.2m to £7.5m. to £7.5m. The new week sets out in fine style with to-day's batch of from £150.300 % £335.100. And in interim Statements from Fisons, Ready Mixed Concrete and spite of soaring interest charges, the directors expect that, in the absence of unforeseen creum. stances, profit for the second half not to mention George Wimpey who all, likewise, produce sixmonth progress reports. Finally, there is Laporte Industries The increased profit for the which puts out its interim on Friday.

subsidiaries whose prolitability is fraditionally higher than the average for the group, they state.

The interim dividend is limited to 1055 and the state of the total leaving the balance in oil palms, cocoa and possibly other edibles which are continu-

Chairman's statement, Page 14

Cussons' warning on costs

pre-lax profit for the year to April 1, 1973, was a record (£887,207 (£500,537) for 53 weeks) and the gross dividend is 2.11 (2p) per share. Turnover ex-panded from £9.39m. to £10.84m. Profits regovered from their recent downward trend. A new major product was launched, an overseas acquisition was made of a company which has considerable potential, and the share of the principal product Imperial Leather Soap, in the home mar-

Zambia Copper

Zambia Copper Investments has products and rubber would have has received payment in full of amounted to 76,000 tons and the outstanding rapital on the 84,000,000 lbs (40,000 tons and accrued interest on the bonds, and 20,000,000 lbs actually harvested), that arrangements are being made to pay the sums due to bond-The current accounting period holders on October 1, 1973.

Peak year for Gordon and Gotch

profit was up from £111.200 to £125.000, the directors expected the rate of profit would continue throughout the rest of the year.

As forecast the final dividend as lifted from 11 per cent. to 12 per cent. raising the gross total from 20 per cent to 21 per cent. the maximum increase permitted.

EEC for fiberwoven blankets, they start the warlow of Warlord floor covering continue to expand both at home and overseas.

An interim dividend of 0.315n per 10p share, equal to last very's 0.45p., is declared. The 1972-75 total was 2.1p. The dividend total is shown to

be covered approximately 24 times by earnings. Last year's 20 per cent, was covered 1.9 times. ould The company exports
the periodicals, newspapers and books. acts as shipping and airfreight forwarding agents and travel agents, and operates packing warehouses and a computer service bureau.

Birmingham and District Investment

from now, elihough indications are of a period of relative price strength.

Prices were depressed during aging incurred a loss of £44.755
most of the period to March 71. In a turnover of £454.462.

Prices were depressed during aging incurred a loss of £44.755 per cent was 35 per cent two-to-one scrip, was 35 per cent they began to move nowards the cent they began to move nowards the Prestor against to move nowards the product of the period to March 71. In a turnover of £454.462.

Necessary prices a year of solutions, household for the year 1973—the poyment is products, etc., contributed to the year 1973, but two-to-one scrip, was 35 per cent two-to-one scrip. Was 35 per cent two-to-one script. Was 35 per cent two-to-one scr

First half gross income totalled £838,487, against £798,938. Figures reflect the change to the imputation tax system whereby rax credits attaching to franked investment income are left as a told the annual meeting that the charge against gross revenue but current year had got off to a good dividends payable are shown at start. the cash cost exclusive of the attaching tax credits.

mitthe strain and and an article	Page 1	
	Haif-	year
	197 i	[472
	1	Ł
Tiro44 FCOMP	F.38 . 6. 7	793 Y.6
Expenses lin. deb. int.	13,440	111-124
r'rofit	514.767	73.1,104
Taxation	171.000	SI INSI
Problemics lax	142,707	746 300
Interno dividend .	2.5.108	12.565

Charcon in Scotland

annual turnover in excess of

C. Early first half upturn

FIRST HALF pre-tax profit of bianket manufacturers, etc. Charles Early & Marriott (Witney) increased by 11 per cent, to

Production is now increasing and if this trend is maintained and exports continue on their the directors expect a "moderate" improvement for the full year on the £220.745 for the year to

On turnover up from £16.7m. January 31, 1973.

to £18.5m., pre-tax profit of Gordon and Gottch Holdings rose from £227.888 to a record £270.450 in the year to March 31, 1973.

At the foterim stage, when profit was up from £111.200 to £25.000 the directors expected state.

total was	.ק 1.2.		
		Hall	30-11
		1973	107
_		1	E
Profit		140.537	157,4
מחיוהלה]		76,000	J5. (
Set profit		 76. 127	37 4
Profesiones	dialq-nq.	 3.673	5:5
מהלי מחוד שלווו	inary" .	 17 849	25 4
	N/48		

Charles Early is II per cent, ahead pre-tax after six months and projecting that sort of growth for the full year's points to net earnings of the and a prospective pre-tax 28p of around 8t times. On trading grounds Early is plainly not an exciting share for it can never be easy to work up enthusiasm for the block of the state of never be easy to work up enthu-slasm for the blanket business. Yet the group now reckons to have a foot in the European sales Dirmingham and District Investing door. its historic yield is over a per cent, and net worth is Traction group), is effectively perhaps as much as 12p more than maintaining its interim dividend the market is paying for the shares at the moment.

Longton Transport

Mr. E. G. Dale, chairman of Longton Transport (Holdings)

market that Company's industrial accelerations, we are confident that chairman added.

Sales of motor cars and commercial mercial with the group is in a strong position to achieve substantial growth in the substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the group is in a strong position to achieve substantial growth in the gr

Subject to approval at to-day's could have been "substantially increased" had adequate build active section of the proposed change of name of Antony Gibbs and Sons to Antony Gibbs and Sons cattled Antony Gibbs and Sons cattled Antony Gibbs and Sons cattled Antony Gibbs and Sons certain land may be sold in will be incorporated, which, under a management agreement, will manage the banking activities of have adverse when this phase of reorganisation has been agreed.

**Part at interlable To-Day interlable to To-Day interlable to the Interlable to Antony Gibbs and Sons to Antony Gibbs and Sons certain land may be sold in the cattled Antony Gibbs Holding. Further Meland to the future, the banking activities of the proposed Land Hoarding charge is finely. The proposed Land Hoarding charge is finely finely finely for the future, the proposed Land Hoarding charge is finely f

RESULTS AND ACCOUNTS IN BRIEF

NET ASSETS of Countryside Properties have substantially increased from both the offer for sale last November and retained profits, the chairman, Mr. S. Bobroff reports, At June 30, 1973, they stood at £2.58m. (after deducting corporation lax of £310,000 payable after June 30, 1974) compared with £0.44m. a year axo. progress

ANNOUNCED

payment

Date Corre- Total

Mr. G. V. Burton, chairman of Fisons, due to announce its

interim results to-day.

Countryside Props.

DIVIDENDS

expansion

Increased, and the company public of the precious of the standard development programme.

They had recently concluded an arrangement with Massey Ferguson to take in the whole of Lancashire, North Choshire, Cumberland and Westmoreland against which they have relinquished Scuth Staffortishire. Shropshire and North Wales.

This extended considerably the area over which we shall market that Company's industrial and construction are shall the fight of all these construction are strongly and construction are strongly and construction are strongly as the light of all these construction are strongly as the light of all these constructions. Borrowing facilities have also

Sales of motor cars and comto achieve substantial growth in BOARD MEETINGS mercial vehicles were restricted the years ahead." he says. by delays in delivery from manufacturers but "we have a full reported on September 12, was factor for all others." Such meetings are usually reported on September 12, was factor for the party of considering divigross.

Turnover and profitability could have been "substantially increased" had adequate building facilities been available, the chalman comments. And so the

5	Music River Rubber Sept. 25 Renong Tin Dredging Sept. 23
	The 1973 figures cover five
	companies and six months by the acquired Joshua Watson com-
	panies-taxable profit for the en- iurged group has been forecast to
	reach not less than £1.25m. for the current year.
-	It is proposed to chappe the

None... company year-end from January habit 31 to December 31.

ISSUE NEWS

CFP seeks London quotation

connection with the appuration quoted on the Paris stock of the London Stock Exchange for change since 1929.

quotation for 13.888.769 "B" the directors feel that the shares of Compagnie Francaise des Petroles is published to-day, be another satisfactory year of it is anticipated that dealings will the Total group.

The introduction has be a presented by Margan Confess.

production company. It has now grown to be the holding company of a fully integrated multinational group generally known as "Total," which is engaged in all sectors of the petroleum industry. 697,109 new Ordinary sha Group consolidated profit after allotted to holders under the consolidated profit after allotted to holders under the consolidated profit after allotted to holders under the consolidated profit after allotted to holders. Group consolidated profit after allotted to holders under tax and minoritles has increased steadily from Frs.442m. In 1968 by 3 p.m. yesterday. In accordang to about Frs.578m. for the year with the terms of the issue with the terms of the issue that the state of 10.5 have been sold for their benguisters thalf of 1972.

The share capital of CFP is allotted to holders under the premisers of the premisers thalf of 1972.

The share capital of CFP is allotted to holders under the issue were paid to the issue that the terms of the issue that the terms of the issue were paid to the issue were paid to take under the issue that the terms of the issue that the terms of the issue and the issue that the terms of the issue were paid to take the issue that the terms of th

Prench Government holds 95.9 per required to take up any sha cent of the "A" and 34.7 per cent under the underwriting arran of the "B." The "B" not held ments.

THE full prospectus issued in by the French State have be-connection with the application quoted on the Paris stock e

Compagnie Francaise des Co. and Banque de Suez (U.)
Petroles (CFP) was founded in with Cazenove and Co. as broke
1924 as an oil exploration and
production company. It has now

HAMMILL BRICK

Hindson Print (Section, P.

Printing). Sainsbury

Foods).

Triplevest to earn and pay more

CURRENT estimates indicate that total gross revenue of Triplevest for the year to February 28, 1974, will exceed the £1.23m, of 1972-73, and the final distribution payable in April will be about some 1.73p oss on Income shares making total of about 4.73p against

Meanwhile an interim of 2.14p gross—1.495p met—is declared. A special interim of 0.85p gross has already been paid. Gross revenue for the first half year rose from 5733.742 to 5844.323.

733,742 to £844,323.		
	Half-	Year
		197
	#	£
ranked inv. income	654.931	684.1
ofranked	121,393	121.9
ank interest	35,979	13.6
	244.375	733.7
Mercal, etc.	197,928	123.90
	736,397	HR9.4
nxation		217.0
el revenua		372 7
	97.065	215 6
istributable*	563,529	804.4
" Due to changes in the		tare ri
Auris are no: comput:		PR004 P
Net assets at Aug	rust 31.	. 197
rece £28,338,477	LE30.8	96.337

giving an asset value of 2721p (815p) per £1 Capital share.

FT Share Information Service

Sterling Industries (Section Industrials). Customagi betters forecast

STRETCH SEAT COVER manager facturers Customagic Manufacting has bettered its forecast more than £220,000, by turnin a pre-tax profit of £252,668 the year ended April 30, 1973, previous £122,432. year's figure '

At half way, when the fore was made, profit was up f 152,448 to £97,471, and an inte 152 dividend of 10 per cent, gross 153 paid, the first since 1969.

The directors are recomme ing a 20 per cent, gross final lift the total to 30 per cent, epared with 5.5 per cent, last t Taxation Not profit Dividends Acquisition costs, etc.*

Cooper Inds.

Mr. Charles Chaper, chairs told the annual meeting of Cound industries that he was confin of results breaking even fur records next year.

The flexit currents. Without the cooper in th

The following securities have been added to the Share Infor-figures showed turnover up mation Service appearing in the 25 per cent, and a similar incremental Times:—

records next year.

The first quarter's management of the first quarter's man

Extracts from the Chairman's Statement at the Annual General Meeting in Rochdule on 21st September, 1973

 I am pleased to report a pre-tax Group profit for the year. of £148,962. Net profit was £87,579 against £56,801 for 1972.

■ The pre-tex profit of Arthur Lord & Sons (Rochdale) Limited amounted to £50,266 against £38,618 for 1972. The year has been one of progress and to provide for

anticipated increased production a sum of £43,000 is allocated for capital equipment. I am pleased to report that both our forward order book

and production are at a very satisfactory level. Next month wage increases will affect female operatives and much of the unskilled labour. However, increased efficiency and productivity enable us to restrict price increases to 5% as last year. Our high standards of quality and service have been maintained and I would like to thank all employees for their

efforts in this direction. A final dividend of 3-0625p per share is recommended making a total dividend for the year equivalent to 221" under the previous tax system, which is the same as 1972.

This announcement appears as a matter of record only

U.S.\$10,000,000

NACIONAL FINANCIERA, S.A. (MEXICO)

FIFTEEN-YEAR LOAN

THE INDUSTRIAL BANK OF JAPAN, LIMITED

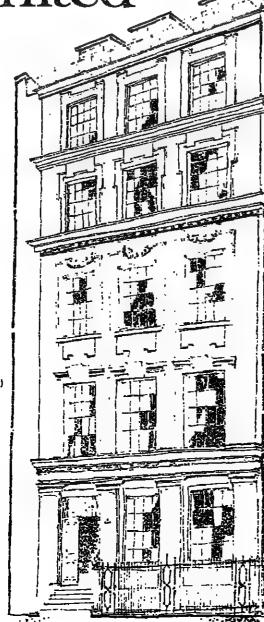
September 24, 1973

Wallace Brothers Sassoon Bank Limited

Wallace Brothers Sassoon Bank Limited have pleasure in announcing that from 24th September 1973 they will be back in their original premises at:

4 Crosby Square. London EC3A 6AJ.

Telephone: 01-638/4070; Foreign Exchange, 01-588 4640 Teles: 88 [689 80] Cables; watered to sport Ca-

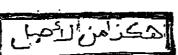


in the offer fo s totalled 6.5p

compared with a forecast 6p.

W. G. ALLEN AND SOMS (TIPTON) known. Fixed assets RCS.73m. (ARADIM.) 1973. and emoloption services responsed. 1973. Comman spaces. 1973. and emoloption services responsed. 1974. And the services response responsed. 1974. And the services response response responsed response resp

REGULATION OF THE SET OF THE SET



Pending dividends k, Limetable

For the convenience of readers, the dates when some of the re important company dividend statements may be expected in next few weeks are given in the following table. The dates we are those of last year's amouncements, except where the homing Board meetings (indicated thus') have been officially dished. It should be emphasised that the dividends to be declared not be applied by the art the arrange of the content of the co not necessarily be at the amounts or rates per cent. shown in column headed "Announcement last year." Preliminary profit

res usually accom	npany final c	lividend announcemen	its.
Date	Announce- recit last rear	Date	Announce- ment last
LaundriesOct. 1		*Homfray Sept. 27 Liudson's Bay Aug. 25	Year Final 174% Final 26 cents
rd Irish BanksOct. 23 d. Migtal St.pt. 29	int. 8% . Int. due	Hutchison InternationalSept. 3 Int. TimberOct. 13	Pinal S0 cents Pinal 26% 8
Biscuit. Oct. 13 CSept. 20 k of		Jardine MathesonOct. 28 Jessel	Int. 45c. §
k of Treland Oct. 27 ring (C. T.). Oct. 27	Int. C.	- SecuritiesOct. 18	
thorpeVel. 27 to Street	inc. Sitt	Firth BrownOct. 17 Judge InintiOct. 18 Lamp (J) Sept. 26	Final 12.6% Final 13% Int. 4%
GroupOct.~10 ish Home StoresOct. ·17		*Laprence ScottSept. 26 *Lexal and General Sept. 26	Int. 4%
Bureau. Aug. 31	1ex. 16%	Lendon Brick Oct. 27 Lendon Merchant SecsOct. 10	Int. 5%. Final 6%.
bury SchweppesSept, 27		Meriny Oct. 21 Minet Hidgs, Oct. 28 Minster America. Oct. 25	Int. due Int. 15%
rerasSept. 8 'ke Chapman.	Pinel 11%	Crucible. Oct. #	Int. 8%
. Thompson . Sept. 26 abined English Stores. Sept. 25		MothercareOct. 28 Ocean . TransportOct. 11	Int. 18%
t. Goldfields Oct. 9 rageOct. 14 raky DayOct. 12		*Ready Mixed ConcreteSept. 34 *RockwareOct. 5	lat. 12% lat. 1%
enhansOct. 4 a MetalSept. 29 Vere	INL 4%	Rewnirce MackintoshSept. 27 SpillersOct. 26	Int. 5% Int. 4°
Hotels :- Oct. 23.	7,1	Star (GB)Sept. 25 Sterling Guarantes, Oct. 30	Int. 19% §
Robinson. Sept. 27 ford and ElliotzOct. 15	Final 4%	Telephone Restais Oct. 26	Int. To
ortOct. 15	Final 71%	"Thomson Organization. Sept. 27	Int. 10% Int. 12%
is StarSept. 21 thre StoresOct. 10 ay (Jus.)Oct. 24	Test. 15% 5 1mt. 8% 1mt. 8%	Utd. Baftders	Int. 10%
(National FiganceSept. 23 asSept. 24		GroupSept. 35 United Real Property Oct. 25	
co Minsep Sept. 25 mans (Ldn. 5W9)Oct. 2	Par 6.8%	=Wadham StragerSebt. ≥	Int. 8%
aherSept. 36	Int. 10%	Wheelock Marden - Sept. 3	
and Deffus .: Oct. 28		Winn lades. Sept. 26	int. Eigh
žer SiddeleyOct. 29 SanzneiOct. 25	Int. 7% Int. 8%	Beard meetings intim home since made, 2 Tax ince since made from re-	free. Scrip

of Marie

Local Authority nvestments

AL AUTHORITY loan rates per cent, from the previous IIIa Brmer tendency last weak,
Jugh in some sectors of the
cy market as a whole rates
ed to fall slightly, with the
e-month sterling certificate
i. for instance, ending at
jour ISI-1SI per cent. against the
let three-month local
ority deposit rate was unority deposit rate was unseed at 13-13I per cent., but to offer a yield i per cent below
seven days' notice rate that on the previous week's
end on balance to 111-121 bonds.

*Rate (%) September 21, 1973

telier (30) pelvembel =1, 10.0	
ays' notice (deposit receipt) ays' notice (deposit receipt) ays' notice after one month (deposit receipt) ays' notice after three months (deposit receipt) ays' notice after six months (deposit receipt) sage at one month's mutual notice after 11 months	11 — 12 11 — 12 12 — 12 13 — 18 13 — 13 13 — 14
race at one month's lender notice after 11 months	
nominal term 2-5 years)	111 -1817
ars' morigage	188 1387
urs' mortgage	124 13†
Mrs mortgage	124 -124
ars' morteage	12 —121
years' morigage	12 -1211
years' mortgage	
-4 Determine for sums not loss then Philip and are in	things to loca

Rates are for sums not less than £20,000 and are subject to local lons, and fluctuations. I Nominal. I Shorter period may attract

atche ouncils borrow over 1,100m. in half-year

m, in the second quarter. E362m, in the second quarter, against 2362m, in the preceding three months and an average for the second half of 1972 of £266m, a quarter.

BORROWING by local the second quarter, and £30m. in orders in the April-June the first quarter. the totalled £845m. com-d with £580m in the previous ter, and £253m in the same ter last year.

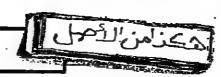
I a seasonally-adjusted basis, were not horrowings of in the second quarter, and an average of £136m. a quarter in the second half of 1972. Longer-term borrowing amounted to £250m. in the second quarter, against

re reintroduction in the Borrowing through negotiable et of the scheme for public bonds and quoted securities es to borrow foreign current with Treasury cover against came to £115m. in the April-June with Treasury cover against period, against £54m. in January-exchange risk is reflected in March, but borrowing from the authorities having raised Public Works Loan Board fell in the such currencies in to £130m., from £307m.

ondon tea	sales	•	
the test rates beld to London last 30.55 packages sold realised at the price of 41.75 per file, agartes at the previous sales and 38.50 r 450. Flum test was quarted at 140. No. of 3 verage kilos per blio Lasko and General 28.554. 3310	Lunuva Makuna Nandang New Dimbula Newara Ehya Pabbojau	21,256 25,553 25,441 981 5,855 5,855 12,554 12,554	の記載の物に合い

of black of seconds by	CI MONTH COMPANIES	DF ANT MAN TOTAL STREET, STREET		7 1 1
at the previous es	ules and 36.31	h ganging		C
r also. Plant to a was	s appared at 14	p. New Dimbula		
	No. of Averag		6.60	34
	kilos per lil	Pabbojau		500
ters fon und Geu		Rejawella		401
I Compatible			25.90%	340
,- khai			F- 073	434
P. Some or or or			5.414	43
Pi comment			44.003	44.
African			25,206	451
d Airica			21,334	47-
Tea Planis			14.454	410
Estates to a		Whee bearings	6.307	20
ila Valley 🕟 🕟				
fig. 1 company		Stock at September 14 am	omnied w	- SH E
II Akadii			h 42 798	730,0
0.2	5.541 44p		amend of	48 6
	8 RPH 577		erred at	-27
	16.416 440	kilos per package.		

BIDS AND DEALS



Cowan de Groot acquires N. Rose (Electrical)

Mr. Ernest de Groot, chairman, to bul for the remaining 35 per 255,500 shares of Gadek Rubber disclosed at the annual meeting cent. of ARV, St. Piran intends in —116 per cent. of the voting of Cowan de Groot that Norman try and keep ARV's share listing, shares.

Rose (Electrical) had been ucquired for £268,000—£200,000 cash and 68,000 "A" Ordinary Rowton hire.

Rowton hire company are held by the contents of 100 cash and 68,000 "A" Ordinary change of

cash and 68,000 "A" Ordinary shares of 10p.

Rose, whose directors have undertaken to sign long-term scr-vice agreements, operates in the wholesale electrical and electronics field selling in the main to radio and TV dealers. Its head office is in London, with branches in Manchester, Birming-ham and Resident

am and Bradford.
Alr. de Groot commented that Rose would complement and strengthen the groun's existing electrical wholesale division.

Atlantic Intul. Bank changes

Attantic International Bank incre are some 250 unlet. Profits, announces that five of its original before tax, for the year ended eight partners are acquiring the June 30, 1973, excluding overholdings of the other three—First draft financing were 216.898.

Pennsylvania Banking and Trust Rowton expects, following an Company, United Canfornia Bank improvement in occupancy trends and Banque de Neuflize, Schlumin in the last few months, the hotel will contribute before tax.

berger, Mallet.

Subject to the agreement of the Regulatory Authorities, Manufacturers National Bank of Detroit and The National Shawmut Bank of Boston will in future each hold

Subject to the agreement of the Regulatory Authorities, Manufacturers National Bank of Detroit and The National Shawmut Bank of Boston will in future each hold

UNILEYER—FORD

In the last few months, the hotel magnetic tape head business. Marriott Magnetics, and also continue to undertake some contract work for customers.

Consideration was £103,000—633,000 cash plus 50,000 Ordinary states of the capital and or sosion will in ruture each noid 25 per cent. of the capital and Sanco di Napoli, Charterhouse Japhet and F. van Lanschot Bankiers will each hold 163 per

S. Clarke, chairman of Mr. S. Clarke, chairman of Charterhouse Japhet has been elected chairman. Mr. P. Davis III, vice-chairman of The First Pennsylvania having completed his year of office as chairman, has retired by rotation,

First Pennsylvania and United California have have oversting in

First Pennsylvania and United California have been operating in London through their branch offices since 1968 and have decided to concentrate their London banking activities on their respective branches, while Banque de Neuflize considered this an approprints them to all life information. priate time to sell its interest as part of the restructuring of its

ST. PIRAN-ARV

Shareholders of St. Piran Mining will be asked at a special meeting on October 5 to approve meeting on October 5 to approve from 30 on present purchases of ARV Holdings, to approve an offer 615,000 shares. for the outstanding shares, and increase group borrowing powers from 29m, 10 £10m. for the outstanding shares, and increase group borrowing powers from 25m, 10 £10m. for the outstanding shares, and increase group borrowing powers from 30 on present purchases of ARV for the recent purchases of 25,000 shares. Jessel Securities has acquired for the outstanding shares, and increase group borrowing powers for the outstanding shares, and increase group borrowing powers from 30 on present purchases of 25,000 shares.

Chairman Mr. J. J. Raper says Jefferies, and there are associated in a letter to holders it is the holdings amounting to 121200 intention to diversify from mining shares representing a further 2.2 in Britain and overseas into U.K. per cent. and office building. St. Piran will retain its tin mining interests in on August 21 amounted to 160.131

Malaysia.

Although there is an obligation

HIGH AND LOWS

13/5

High | Low

Dealitys market....

Dir. Yudine.

176 Het in (not)

Price 32 3 5 High Low

FINANCIAL TIMES STOCK INDICES Bu is ic

Industrial Univers . 422.2, 419.2 420.5, 425.9 427.6 420.7 475.1

Karminga Yking fulls (e). 10.01 10.09 10.08 9.95 9.97 10.12 .5.27 P.E. Barro (met.) (a) (b). 15.61, 15.51, 15.62, 15.66 15.06 16.46 18.97

tal Based on 50 per cent. corporation tax. the Nil=13.37. * On old bases.

58.87 150.4 65.37 Speculative...

694 (20)1147 (40)75 Totals...

404.8 645.6 49.4 Saty Av.—
(409) 190.72 (26)448 Saturday...

FT-ACTUARIES INDICES

Seid, Sept. Sept. Sept. Sept. 21 : 30 i 18 · 18

Intestral Group...... 170.65, 170.24, 170.68, 172.21, 170.26, 168.7+ 194.76

THE RES DAMES.

For investments and deposits with Banks, Local Authorities and Financial Institutions Full advisory | 34-40 Ludgate Hill, London EC4M 7.51. Tel · G1-248 3242 service | Dealers 01-236 6080

Associated with Jessel, Toynbee & Co. Limited Bankers and Bill Brokers
abor of the Charles Fulton Group -- Interes

179.13 178.86 179.00 180.60 178.61 177.00 203.36. 4,24 4.25 4.25 4.19 4.24 4.27 3.54 14,61 14,60 14,61 14.76 14,56 14,47 -16,73

177.95 177.75 177.92 179.21 177.24 176.68 202.79 11.58 11.57 11.57 11.57 11.63 11.69 9.58

Govr. Secs. 15/18/28, Pfixed (M. 180) Arrivity Just-Dec 1867

Rowton buys hostel in Birmingham

The acquisition will be satisfied by the ranc of 110,000 new Ordinary in Rowton worth 155p each and a total of £170,000. They will not rank for the interim dividend declared for the year 1973.

Lightate Hotel, a men's hostel, has the capacity to the satisfied. has the capacity to sleep about 730 in separate room—currently there are some 250 unlet. Profits.

AND SLATER

Lazard Brothers announces acceptances of the offer made on behalf of Unilever for the capital of Ford and Stater Holdings not of Ford and Stater Homings unalready owned have been received from \$2.26 per cent. of holders in respect of 4,199.850 Ordinary shares—96.85 per cent. of those subject to the offer and 77.96 per cent. of the issued capital. The

SHARE STAKES Reed International has pur-chased 30,887 Ordinary shares in Scott's Restaurant (12.35 per

British Electric Traction's holding in Ordinary shares of company is 12.860.

Rediffusion has been increased from 36 61 per cent. to 57.36 per for expansion of production.

Its interest in Charles Roberts Ordinary shares (19.1 per cent.). Cluff and Co. has acquired

4.50; 4.45 4.44 4.51 5.43

S.E. ACTIVITY

65.71 68.74 65:75 63.77 65.58 63.45 71.5? 54,06: 64,02 64.02 64.00 53.99 65.75 72.96

163.2 150.8 156.6 157.8 154.3 150.5 95.1

5,506; 5,053; 5,510 7,668 1,145 6,441 7,946

the company are held by the con-sortium consisting of Mr. R. Stater, Mr. J. Lilley, Mr. L. Hall, First National Equities (subsidiary of First National Finance Corporation), and Direct Spanish

Rowton Hotels has exchanged interest in Solicitors Law contracts with Gitgate Roldings Stationery at September 3, 1973 for the acquisition of the freehold, was 4,021,550 Ordinary (40,22 per fixtures, furniture and fittings of cent.). Its stake in Slater Walket the Highgate Hotel, Birminghem, Far Eastern Intestment Trust at having a book value of about September 13 was 3,865,761 fig.7,000. Waiker Slater

Acquisition by Business Computers

Business Computers pays Collum Engineering, which will manufacture tools for Bust ness Computers' subsidiary in the magnetic tape head business.

Consideration was £103,000— £53,000 cash plus 30,000 Ordinary shares of 10p Net assets acquired on September 10 amounted to [MS,000 including the freehold factory premises at current valua-tion. Profits before tax of Colham for its last year were £21,000.

HIGHLAND **ELECTRONICS**

Highland Electronics Group announces that its subsidiary subject to the offer and 77.96 per announces that its subsidiary cent, of the issued capital. The Highland Electronics, has acquired and remains open.

Unilever held 1.027.920 shares [Fife County Council. The factory (19.5 per cent.) before the effer comprises 35.000 square feet standnow holds 5.157.770 (97.46 ing in 4.3 acres and is adjacent to its present factory, which is rented and will now be religible to the first present factory.

rented and will now be relinquished.
The cost of the land and buildine cost of the land and building is £143.440, of which £94,380 is being raised by a mortgage from Fife County Council and £46,200 is by way of a grant from the DTI. The cash outlay by the company is £2.860.

EASTERN PRODUCE Eastern Produce Holdings in-tends to continue the policy of strengthening its commodity and trading interests in the U.K. and overseas, the new chairman, Mr. Uliver Jessel, says in a letter to

shareholders. An extra-ordinary meeting will be held on October 8 to approve a share exchange agreement to sell 200.000 Ordinary shares of Bandanga Holdings to London has passed since the publication Commission's conclusions had really he so? Most of the lead-of the Monopolies Commission the Commission been aware of ing offices in the F.O.C. ranks ratify the sale of Robert Hudson Report on the Supply of Firs that evidence, or if the FOC can also have substantial motors.

MARAWAN (JAVA)

tions announces that at the the fire tariff.

adjourned AGM shareholders The Commission set no time Does not pay

BANK BASE RATES

Allied Irish Banks Ltd. 11 %
Angio-Eastern Bank 1119
Angle-Portnougen Renk 11 b.
Angle-Portuguese Bank 11 & Audiey Holdings Ltd. 11 %
Bases de Pulses Liu, 11 70
Banco de Bilbao, 11 %
Bank of Cyprus
Wm. Brandt's 11 %
Brit. Bk. of Commerce 12 %
Brit. Bank of Mid. East 11 %
Brown Shipley 111%
Cedar Hoidings 11 %
📴 Charterbouse Japhet II 😘 !
Choulartons 11 %
C. E. Coales 11 96
Consolidated Credits 11 %
Co-operative Bank,"11 %
Co-operative Bank
Credit Lyonnais 11 %
G. R Dawes 11 %
Dawnay Day 113%
Duboff Brothers 11 %
Dunbar & Co. Ltd 11100
Duncan Lawrie 11 %
English Transcont 11 %
First Maryland 12 %
FYEC 11'02
SAntony Gibbs
Greenam Trust 1119
Greyhound Guaranty 11 %
LR Grinness Mabon 11 🕾 t
2 Hantoros Bank 11 %
Hawtin & Partners 11 %
3 Hir: Samuel
C 11 cm & Co 411 0

C. Hoare & Co. Julian S. Hodge lialian International ... 11 Jacobs, Kroll

Reyer Ulmann Kir.churst Securities ... Landon & County Sec 11! London Mercaptile ... Semuel Montagu Semuel Montagu Moorgale Hereantile ... **z** Morgan Grenfell Morris Wigiam Ltd. ... 11 Nerthern Comm. Tst. 12 Portman Guaranty ... 12 3 Rep Bruthers P. S. Rafson & Co. ... 11 % N. M. Rothschild ... 11 % St. Mary Axe Finance 111% Spengay Tst. Co. Bhm. 113

Standard Guarantee .. 111% Sterling Credit Sterling Industrial Sec. 1115 Swiesdsrael Trade Bk. 11 Twentieth Century Ek. 11 % Waiture Brns Sassoon 111% Whiterway Laidlaw ... 11 % G P Wayte 11 % Winitusi 12 % Million of the Acceptant Houses

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MINING NOTEBOOK

St. Helena gets a 'new mine' look

BY LODESTAR

segment where the miners have been given a sudden tax swipe Unisel flotation which overnight altered their

Corporation and Selection Trust, have been has not the go-shead. What is dividends, more the week-end announcement more the week-end announcement has settled another inter-mining double question which has been intriguing the pundits. Namely that, although the ground lessome two miles south-east of the is to be converted in due into a public company, the by that company and not by its more immediate Anglo American is currently held jointly because the corporation and Selection. eroup neighbours Sleyn and Brand.

THE SEARCH for new gold mines and the revival of old ones are a company's works. There should to be the most solid way to take attend concomitant of the with drawal of the cork from the gold price bottle which has resulted in a tripling of the metal's value.

From a mining viewpoint this explosion is not all that britiant basis. This leading to Johannes because of the escolating cost factor as paper currences degreciate in terms of gold. But it still has enough sparkle to keep the leaded in the world's prospecting fraternity apart possibly from the Australian and the two Presidents.

The illest excuement in golds in the miners have the condenses of the source of possibly payable ground like the miners have the condenses of the source of possibly payable ground like the Basal roof will be "very profitable."

The likest excuement in golds

he boil, the only real question he boil, the deal seems to risk Gold Figures of South Sold he a nice one for that old favouries of the annex on the column St. "Tarks." look good favouries of this column St. "Tarks." look good favouries of the royalty rate. At least if has the royalty rate. At least if has been agreed that the exponentiation gainstly Concession, slock if the new mine will carry no led week. They rose try to risk of financial loss for the com. First there came a boost risk of financial loss for the com. But it is in the transport of the new inthe will carry no first week. They rose 17p to 220p, risk of financial loss for the coin. First there came a boost from State that most plans are afoot, and one of them the Jurgent Hoff any funds derived from its exist. The null-year results of the 90 per any funds derived from its exist. Which reported a net revenue of the proposition and Selection and Selection are applicable for the coin. pany nor will it have to provide the mili-year results of the 90 per any funds derived from its existing mine that would otherwise base been available for its own the same and for the end of the same and the same have been available for its own the same period of 1972.

into a public rempany, the shares effects of the fall in value of the fall in value of the secure of which will be listed. United is currently held jointly by Union lower prices of shares held in North American companies, but Free State Development Underground exploration of Sieve and Brand.

Sieve and Brand.

Lapital cost

It is understood, however, that President Brand's No. 4 shaft will be used as the stalutory second Exploration also has 7; per cent. Sign to mine the deposit can then outlet so that only one shaft will be initially needed on Jurgens Hof capital by a rights issue earlier. It is understood to be compared and the Jessel offshoot Dulker pleted next year. A final decibe used as the stalutory second Exploration also has 7; per cent. Sign to mine the deposit can then outlet so that only one shaft will the last-named raised fresh be made.

Thinks profits for the year to thus beinging to cut the estimated this year to pursue its mining July 31 has were well ahead at thus be initially needed on Jurgens Hof capital by a rights issue earther. "Times "profits for the year to thus helping to cut the estimated this year to ourse its mining July 31 last were well ahead at capital cost of establishing a new interests including the possible half-time and should be sufficient to a relatively modest R40m, development of Jurgens Hof.

The made.

The made.

The made.

The latest excitement in golds coincides with a timely 29-page review of the South African seg-

received of the South African segment to envisage an eventual and pared to envisage an eventual and president Brand in order to from select Western Deep itself along with Elsburg. Harmony, East presontent, President Steyn and present their the deal seems to prospect their, the deal seems to prospect their, the deal seems to be a nice one for that old

Things were looking up for Tanganytha Concession, stock units list week. They rose 17p to 220p.

Ore grade query

Capual for the new project will come from Unusel Holdings which is to be converted in due rouse into a public rompany, the shares of which will be listed. The fall in value of the fail in value of the fail in value of the converted of the listed.

mine to a relatively modest R40m. develonment of Jurgens Hof.

ently up for the 1970-71 dividend (224 8m.). Another important On Friday Duiker shares went rate of 12½p to be re-instated. Factor, of course, is that St. Helens up 20p to 100p Freddies were The "esuits are due early next will be providing the treatment 10p better at 140p and St. Helens month. The shares could rise facilities on a royalty basis. It were is higher at £10t, still well further in anticipation of good is assumed that the ore after below their year's peak. At this figures.

INSURANCE

Monopoly Commission report

BY OUR INSURANCE CORRESPONDENT

ratify the sale of Robert Hudson (Raletrux) to a subsidiary of Jessel.

Report on the Supply of Fire that evidence, or if the FUC can also have substantial motor insurance—which if will be show that the conclusions of the accounts and many other memicial recalled (with a majority of Commission were against the bers also write motor insurance:

7 to 1 among its members) weight of the evidence, perhaps all must have learnt from bitter.

private stance after the publication of the report was that the Commission had got it all wrong.

Hands full

For its own part, the Government, and more particularly the DTI, has had its hands full in the past year dealing with the passage of this year's lusurance passage of this year's tosurance Companies Amendment Act in the light of the V and with DEMAND for tankers still less than a week by over 100 the light of the V and with DEMAND for tankers still less than a week by over 100 the light of the V and with the negotial strong, and available tonnage in points, the latest fixtures are at tions over the adjustments in about supply, tanker chapter rates between Worldscale 410 and 415, market practice consequent on last week remained at very high. In the period-chapter market levels and show few signs of there was a further increase in demand from American charterers. market practice consequent of last week remained at very high lin the period-charter market teeds and show few signs of the seems that the DTI has provided the shelf and asked the FOC what its intentions are, and it remaining september tomage in the foci is just as remaining September tomage in the Government expects implementation of the Commission's report had not endorsed its practices.

But why? Even among the most optimistic members of the board optimistic members of the most optimistic members of the most optimistic members of the most optimistic members of the condition of the Commission's report had not endorsed its practices.

But why? Even among the most optimistic members of the inelf eventually to be forgotten—particularly as the present condition of Trade in the early should an arrely leave the report on the inelf eventually to be forgotten—particularly as the present condition of Trade in the early should associated as the particular works at the Board of Trade in the early should as the proposition of the condition of the condition of the condition of the commission's report had not endorsed its practices.

But why? Even among the most optimistic members of the condition of the the Board of Trade in the early For Caribbeans to USAL.

Sos attacked restrictive practices voyages, rates have shot up in and set in train our present antinonopolistic legislation.

Unconvinced When the Commission was sitting, the FOC failed to convince it that the continuation of the connectal fire tariff was essential to the wellbeing of the British public and the British insurance market in both its house and eversess operations if, as was said by the fire offices last year, that the Commission had got it all wrong, then the question must be asked, did the fire offices, while convinced of the justice of their own case, fail to bring the best evidence or adduce the best arguments? These are not just academic questions in this stage the DTI is seemingly intent on requiring some action on the Commission's Report in the near future. Any

discussion between the FOC and the DTi must to suize extent partake of the nature of an appeal from the Commission's Report. If the DTI is to be persuaded to turn its back on the Report, then if can do so only for one of the two following reasons—if the FOC can produce evidence that was not put to the Co*.mission which in the opinion of the DTI

MARAWAN (JAVA) declared that there was "no inspired by subjective attitudes experience that rate cutting marawan (Java) Robber Planta- alternative " to the abolition of rather than objective logic. does not pay.

The Commission set no time adjourned AGM shareholders approved the sale for not less than 150,000 of the issued capital of N. V. Tjorah Mas Repoeteral Estates. A further anouncement will be made on completion.

JONAS WOODHEAD Jonas Woodhead and Sons has purchased Douglas Campbell, of Gowanbare, Caldercraix, Airdrie. As consideration Woodhead has issued 50,000 Ordinary shares and paid £1,000 in cash.

Campbell manufactures and repairs all types of laminated road springs.

The Commission set no time and time in the commission set no time and time in the commendation of the implementation of the implementation of the subclic commendation. But since the public commendation of the recommendation. But since the provide the public commendation of the subclic commendation of the subclic commendation of the public commendation of the subclic commendation of the public and the public and the provided the sale for not less than figures show that fire losses this figures show that fire losses this induces show that fire losses this figures show that fire losses this induces show that fire losses this induces show that fire losses this induces show that fire losses this figures show that fire losses this figures show that fire losses this induces show that fire losses this induces of the number of the fire tariff, companies of the fire tariff, com Moreover the monthly B.I.A.

Tanker charter rates still high

BY JAMES McDONALD, SHIPPING CORRESPONDENT

, A⊏Div, , S≃Tipes SE

REGIONAL MARKETS

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RECENT ISSUES

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FOURTIES

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American Corp. ...

INDUSTRIALS

Acelo-Amer, Industrial .

LIST

TERNATIONAL COMPANY NEWS + EURO MARK

EUROBONDS

No clear trends

expected following the initial favourable response, the cost to been

indices

MEW YORK

DOW JONES AVERAGES

70.17 | 170.47 | 207.0 | 100.65 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.05 | 100.0

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IND. DIVIDEND YIELD P.C.

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Fri. Thurs Wed. Incs. Mon 192.7589.76 102.75 102.28 101.25 89.82 88.76

- COA - 2.478 3.888 3.947 2.970 2.888

N.Y. SE ALL COMMON INDEX

15.48 33.80 87.75 57.44 56.90 56.76 88.90

RISES AND FALLS

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AMERICAN SE MARKET VALUE Starting base 100 Aug. 21, 1973.

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frau-port Indus IIII, release & 000's

UNCERTAINTY as to future the borrower will still be below franc market-Sw.Frs.100m. for Trends continues to be the main of the Eurobond market. Styles cent. On the DM international bond and Sw.Frs.500m, for the European Investment Bank on the Eur On the dollar sector, though, coupon on this is of per cent.

The second stage of the Eures loan now being negotiated with and the indicated offering price.

The second stage of the Eures loan now being negotiated with a consortium led by Lehman successfully, the S50m, convert, known name to European puterised trading system for bile issue for Walt Disney was investors—it has borrowed only Eurobonds got off the ground partially, to finance the restoration once before, on the dollar market formally last Friday, when the while because of its large study syndicate for the second is due to be signed in London. postponed. Elsewhere, however, once before, on the dollar market formally last Friday, when the a number of new issues were anounced, while the European Investing announced, while the European Investing in South America, it and final feasibility study held issue for the European Investing in South America, it and final feasibility study held is not given the top rating which its first meeting. The funds for would be expected for most the second feasibility study fully with a reduction in the Canadian names. Eurofima by have been put up by 70 banks coupon from \$\frac{1}{2}\$ to \$\frac{1}{2}\$ per cent, contrast is based in Basle and is interested in the project, while per cent, which had been money into Swiss names.

Two more new issues have also have been commissioned to language and other work to be

money into Swiss names. Two more new issues have also	the backroom work for Cedell b have been commissioned to carry out the feasibility study.
STANDARD AND POORS	MELBOURNE YIELDS
Sept. 21	Lending Stocks 20 13 6
19 118.91 105.38 118 116.42 103.77 116.89 104.13 14 117.25 104.44	SYDNEY ALL ORD. INDEX
1873 Righ 113.99 102.36	475.37 474.58 469.40
1078 Love 112.97 100.54 122.51 (22.5)	HONG KONG INDEX*
"425 industrials. 1425 industrials, 50 Utilities, 25 Rail,	Sept. 21 Sept. 20 dags 1-10 Tow Lair
STOCK AND BOND YIELDS	523.24 508.32 1 774.26 494.50
Sept. 18 Sept. 5 Sept. 19	SINGAPORE INDEX §
Ind. Ord. rield pc 2.88 2.92 2.69	Deja. 21 - Dept. 20 (D), ii 1912, Low 1-12
Ind. Ord. p.'e ratio 18:36 24:83 17:83 Long-term Gort. Eds. pc 6:39 6:23 1.51	890.10 518.17 611.ac 269.71
FRIDAY'S ACTIVE STOCKS	TOKYO NEW SE INDEX†
Change	
Stocks Closing on traded price day	342.77 339.88 11.90 2.13
Fed. Nat. Mort. 757,900 211 RCA 751,000 254 1 Floetwood Enterp. 830,800 104 1 Inter. Tel. Tel 210,800 35 ++)High Low 1973
Boise Cascade 202,398 156 +6 Allied Chemical 182,590 75 -11 Bethichem Steel 175,590 505 -1	EUROPE
General Motors 162.300 641 -4 TRW 172.500 25 -2 Texaco 150,700 254 +1	Sept. 21 ions High Law
TORONTO	Beig'mire: 138.20 128.66 142.36 124.11 (32%) (2/1) Denn'thir 124.86 124.86 128.86 150.36
INDUSTRIAL INDEX	Prance (%) — 84.2 86.6 78.3
Seed 21 Sept. 28 1973 Worth 1973 Law	(4/6) (8/1)

Sept. 21 Sept. 26 1973 Right 1973 Low 219.46 218.20 253.66 (12/1) 203.43 (22/3)

Sept. 21. Sept. 20 | 1973 Filiph | 1973 Law 246.86 | 248.29 | 258.72 (12 1) | 206.83 (22 5

230.07 229.68 240.38 (12/1) 206.83 (21/3)

Sept. 21 Sept. 20 High Low Industrials ... 236.5 260.5 293.1 236.4 (16 7 (12 6) Gold 287.4 262.4 237.7 123.4 (19:8=106.) Source Rand Daily Mail.

JOHANNESBURG

8witat"l'd 560.5 351.1 450.1

Credit-op loan will aid Venice restoration By Anthony Robinson ROME, Sept. 23.

DESPITE EARLIER denials the Italian credit institute Creditopere has stated that the \$500m

been commissioned to planning and other work to be financed at Venice Creditopere decided to go ahead with the loan on a relatively short six-year basis instead.

The funds, will now be partly used to finance the requirements of Creditopere's overall financial commitments to Italian public and local authorities and then to satisfy the Italian Treasury's growing capital requirements for Venice once work actually gets under way.

This means that once the Venice restoration scheme actually comes into operation Creditopere expects to return to he international market long-term finance as originally conceived. This will also entail refunding on a long term basis that part of the present loan which has not been already committed at that time.

Champagne groups link

THE SOCIETE Piper-Heidsleck and Societé Canard-Duchene, champagne producers, have announced an agreement to establish close links while maintaining their own identities. Piper will acquire a 34 per cent. interest in Canard, and Canard wil become a shareholder about whether strong profit gains of Piper. Terms and further could again be made in 1974. details were not disclosed. He sharply criticised his

"Herstatt Index Base Dec. 31, 1886.
; Base 186 Jan. 2, 1872. "Swiss Bank Carporation Index base 100 Dec., 1866.
; Clored. (vii) Base 1863. (o) Base 100 1862. (p) Base Dec. 23, 1866. (bb) Parls Bourse Committee, base 100 1861. (d) Base 100 January 1, 1873. Base 180 Jan. 4, 1863. (c) Base 180 Jan. 4, 1863. (d) Hank Song Bank, base 180 July 31, 1864. (a) Strauta Times Industrial, base 100 1966. Piper had net profit of and intensify competition from imports.

Frs. 4m. last year on sales of imports.

Frs. 55.3m. It delivered more than 3.7m. bottles of which 2.2m were exported, mainly to the U.S. and Italy.

Government hopes will curb infigure is unlikely to "do any-

AUSTRA	LIAN	WEE	KLY LIST	
Australian \$	берь. 21	Sept.14	Anstrailan \$	Sept
iteriner Newsp'p't need fiansport. sed Securities sed Securities set Gurantee set & Kandoet'un't. set Paper M'n'r'g samble Inds samble Inds samble Inds samble Inds samble Perlina sitematic Per	†0.69 1.49	2.23 II.78 1.49 1.61 1.35 2.17 1.02 4.02 4.02 4.02 4.02 4.03 1.04 1.17 5.00 2.37 75.00 1.23	Kivri Int. M.L.C. M.L.C. Mauri Brus. 2 T. Ilayne Nokless. Nyles Corporation. Olympio Cons. Overseas Oorporation Petersville. Queensland Coment. Queensland Ins. Rocla Industries. Swan Revery. TY Corporation. Thiess. Thomas Nat. Trans. Thomas Nat. Trans. Thomas Travelodge. Woodside Burmah.	0.9 :4.2: 1.2: 1.3: 1.3: 1.3: 1.3: 1.3: 1.3: 1.3: 1.3

TEL AVIV STOCK EXCHANGE

Сомрацу	Sept. 23	on the week	Compuny	Sept. 25 on the 1973 week	Angio-Transvall Industries Associated Furniture Barlow Rand CNA Investments	3.72 — 3.35
liank Hapishim Sr. Uvion Bank of Israel Br., Israel Benk of Israel Br., Israel Central Trade Hassen Instrance Br., Wolfsun Chare Mayer Br.,	196 309.5 359.5 860 154 211 104 918 206.5 224	-7.5 -2 -43 -6 -5.5 -7.5 -7.5 -8 -3.5 -16	Investment Companies Bank Leund Invest Discount Bank Invest Br. CLAL Israel Invest Commercial and Industrial Altance Tire & Rubber Elso Br. Argaman Texhile Br. Ata Textile Br. Lubek Br. Bier, Wire & Oable Br. Chemicals and Phosphate, American Israeli Paper Mills Assis. Text Manuf. of Physical Br. Br. Bank Manuf. of Physical Br.	196.5-7 241 -11.5 204 -1 513 -2 105 -16 515 -15 111.5-0.5 317 +2 199 -1 160 -1 50 -1 209.5 +9.5	Corre Finance De Beers Industrial Federale Volksjonlengings Greatermann Stores Huietts Imperial Cold Storage Industrial Rodway Melodys Holdings Nedhank Nedinn Osomstone Investments Premier Mining Rembrandt Group Restudd's Bros. Schlesinger Insurance Stater Walker (SA) Sorec Syrval Tolkman Trust Bank Africa	**************************************
Public Utility terset Electric Corp.				162 -8	CANADIAN W	EEKL
11. Et 194	ii. Isa	res Ru	oir Lesson La Israel, Tot A	. 9700.	Attended and acres and	

t Buyer. 1 Seller

Phillips sees 50% rise in earnings

EARNINGS OF Philips Gloei-lamp-Fabriken, of the Nether-lands, will be "close to 50 per cent, higher this year than in 1872," F. J. Philips has revealed to a business gathering in San Francisco.

In the first six months of 1973 Philips earned \$145m, after tax, some 46 per cent. more than in the same period of 1972. He indicated that the year-to-year earnings gain was holding. Philips expressed uncertainty

details were not disclosed.

With about 6m. botles sold Government's move revaluing annually, the new group will be the guilder 5 per cent upward. France's third largest champagne It would make Philips' export sales harder to come by he said.

GERMANY +

than 3.7m. bottles of which 2.2m. revaluation, which the Dutch were exported, mainly to the U.S. and Italy.

Canard had net earnings of thing of the sort."

Frs.2.2m. on sales of Frs.34.7m.

Investment a premium based on 32.60 per £1—321% (325%). Con-

(0.8223)

version factor 0.8148

High -Low

Sept. 21-

				Stock	Sept. 31	Saps.
SINGA	PO	RE PRI	CES	Argus Corp. Ltd	1 119	111
Sept. 21	i ,	Sept. 21	8	Bethishem Copper, Brit. Columb. Tele.	4912	141 50 27
dustrials		Straits Times	5.624	Can. Packers Led.	204 184	21 †174
Ostand.	4,66	Straits Frad g Tomorigators.	4,76	Can. Investment Pundame Can. Pag. Inv. Cv. Pf.	1 20°4	5.55 294 120
steen Saneti Daniel Lucy Nouve	3.50	Westerne Tractor	4,68	Conwest Exploration	4.50	4.40
mmon	1.74	Chantical	4.40	Or. Zeil'rb'ch Ope Dom. Foundries	2510	231
me Ind	7.60	RUBBERS		Dom Stores Ltd	1412	143 84
ding	8.30	Betu Lintang Duzi'p Estate	2.07	Fraser Co. Ltd.	0.29	23 0.30
dagunCont dagunCont	2.20	Kampas	4.20	Great Lakes Paper	34	†251 251
D. Secs.	3.12 1.20	Austral, Am.		Kilembe Copper Labatt John Labrador Mining	†2.30 2334 441 ₃	2.00 254 44
'sChi'eaBk binson	11.50	Kramper	13.00	Not Drug & Chemical	+5 is 1	†61, 6.80
thenese eli	3.80 3.36 8.66	Lower Persk.		Pas Ocean Cil	2.40 1854	2,44 165
oreC Store		Jungei Way Tongkah Har.	:1.80	retrofies risinberg "A"	18414 1221s	1235 1235
t	Buyer.	: Salier.		Anders Grp. Liden	1854	181
				4 9044		

· + 4.85	Sept. 21	Aus 8	•
+0.38	Agrana America	1.00	-1.0
÷0.05	Acrow Australia	1.41	-0.0
+0.10	Alkane Explorations, started	10.02	-0.0
÷0.05	Alkane Explotations	2.42	-3.0
+4.10	S A TOTAL SECTION	0.56	~10
+0.05	Ampol Petroleum	10,63	2.0
+0.30	Assoc. Minerala,	2.25	-3.4
-0.01	Assoc. Polo Paper (\$11	#1.0	::
·	Aust. Con Industries	1.46 2.47	-0.0
+0,50 -0, 2 0	I Ar Yel	1.32	-4.3
- U,2U	Aust. Oil & Gas	10.11	-1,6
+10	Aust. Oil & Gas	1.46	- 1,9
+0.05	l Bonomineille Wielno	2.36	-3.6
+6.20	Broken Hill Proprietary; Broken Hill South carlton United Stewart	7.37	-) [
÷0.10	Broken Hill South	1.61 +3 69	. :
÷ 0.30 ∸ 0.30	G T Links	-	`-Q,
	G. J. Coles	11.54	٠
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	Container (SI)	2 37	,-Q.1
-0.03	Consume Ro Finto	6 48	-0.0
÷0.50	Cork lavestments	0,43	
-10	Costain Australia (200	1.25	+0.6
÷6.25	Dunion Kubber (\$1)	10.96	-1.
	Easteinen bezurities	3.20	-0.1
	Elder smith Gold M (\$1,'	_ 5	٠.
	E. Z. Industries	3.47	40.
	Fr. & L. (200)	11.75	0.8
	Hammer	11.75	-2.0
-9.88	Hooker	1.44	+1,1 +1,1
	L.C. L. Austriaus	1.73	;+4
-0.61	I.C.I. Augrian	1.73 1.29	-0.6
	I.P.C. Aust. Livert	0,94	·+0.0
	Inter-Lopper N. L. 20 cm	:0.50	·
	Interwest (2) cents	:0.20	
+0.40	Jones (David)	1.64	+8,6
+6.10	Leschardt Exploration	†0.05 21	-1.0
	Lend Lesso	0.65	~1.0
-0.10	Meekathara Minerala	10.06	
	Mathia brokentown .	Ù.76	-0.0
~0.08	Mai Holdings	: 2.30	-0.9
	HALE PERSONALIM *********	2.59	
	News	2.87	1-8.1
-0.04	North Broken Hill	U.s1	-2,0
~0.05	Oil Search	+0.12	
-0.18	Piggeer Congress	1.77 † 3.28	+0.0
0.15 +0,0∓	Tom Piper (50 cents) Eccinit & Colman	12.28	
. 0104	Receive & Colman.	:2.85	-8.4
	SL James Propersies	0.59	1111
	winter Wallian	23.0	-8,5
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	H. C. Sieigh	13.42	-9.0
LY		;4.0 †5.04	
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Creusot Loire deal with Worthington

171₂ 5.55 291₄ 120 4.40 4.60 281₂ Creusot Loire has signed an agreement in principle with the Worthington International Group to set up a joint pump manufacturing subsidiary.

The companies still have to obtain French Government approval and other details remain to be settled, but it is hoped that the new company, Worthington-Batignolle, will be operational before the end of the year, it added.

It will use Creusot's factory at Nantes and Worthington's knowhow and sales network, Creusot Loire said. Reuter

MILAN

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Prices

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	Crecinco	28.91	- 8
	Dragados	1,070	-12
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1 2	Espanola Zinc	206	- 2
íá		239	+ 3
2.6	Expl Rio Tinto	40.5	- 5
	Fecsa (1,000)	244	- Z
6.8		150	-
4.9	Gal. Preciados	568	+ 5
2.1	Ridrola	260_50	- 2.
5.0	Iberduero	346	- î
' 6.5 i	ma. Qum. Can	135	
I.E	LES. PILITOGRADA	156	_
12	NUTOR (bernea	288	_
: =- {	Pomerrada	173	_
1 2 2	Sarrio Panalera	240	+ 1
1.5	Sear (1,808)	490	· _
8.7	Sevinana Elec	266	- 4
0.6	Shiace	157.50	- 1
		250	
	COUR FIEC	230.50	- 1.
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OVERSEAS SHARE INFORMATION

MONTREAL

INDUSTRIAL INDEX

COMBINED INDEX

OVERSEAS SHAKE INFURMATION										
NEV	N Y	ORK		; High	97å Low	; Stock	Sept.	High	la-	Stock
	Lara		Sept.	614 24	314 124		4154	596g 243g	248 ₄	Joy Manufactu'g Kaise: Alumin'm
£F;≾p	LOW	Stock	. 221 ₂	: 313.5 351.	901 255	CPCInternation	12034	73s 145s	4	Kaiser Industries
251s 34	1656 1112 708	Midness graph	1414	50 55%	164	Creue	1611	14:4 55:	65 ₄	Kenuecott
16 E	. 58 : 371s	Acton Life & Can.	75:	3233 354	227g	Umum Zeilerbeel	25 ² i	78 29 L	331 ₂ 156 ₆	Kerr Mcties Kidde (Walteri Kimberly-Clark
465s	10:0	Altesa	12	541 ₄	29 L	Curries-Wright	2219	451g	37	B ODDSTB
75% 75% 29%	49	A.J. C.O.A	744	4936	; 261 ₄	Dana	-	493 50	401 ₄	Kreege.
243q	18 285e	Allegheny Power	21 38	17	61. 361	Daylin	67	234 491 ₂	154	Kruger Co Levi Strauss (Sli)
38 121 ₂	227		2412	2554	16 10:	Deitsons	191	4214	41 ₈	Libby Ow. Ford
4912	291 ₄	America, Bess		2114	181	Detroit Edison Distaphone	. 191 ₀	441 ₈ 913 ₄	3272	Liggett à MyereB . Jally Elli
4614 537s	84 911a	Amer. Brands	3612	106± 244	714	Digital Equip	975g	154	7 54	Logico Indust
34	273	Anier, Can	301 ₀	49	37	Dividend Shares	. 45.7Q	241g 251,	14 to	Lone Star Cem
30:j 69:s	241s	American Express	621	5854 50.8 18714	47is 55is 158is	Dresser	. 49	487	321 ₂	Ling Tento Vent
48 547 ₁	4014 678	Amer, Home Prod Amer, Mcdient	93.	2812	2334	Kegle Pitcher East Air Line	: 26	511 ₂ 161 ₄ 111 ₉	3512 3018 54	Lucky stores
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24 291 ₂	1715	Ansemda	83:3	241,	135,	Kases lat'l	16:4	614	221 ₄	Marrise Midiagd. Varebal Pield
651	381 ₂ 18-1	Anbeus-Busch Arms Steel	381 ₂ 201 ₂	108	241, 5214	Kanna	901a 705	3412	20 18 in	May Dept. Stores
15'4 83'4	8.0 24	7 Asamera Ott Ashiani Ott	13 % 2834	27	26 175	Ful Hebr Stores	2118	3034	1812	McLeory
9412	67.4	Art. Richfield	9412	467; 483;	59 . 34 i	For Not Lity	464	3814 164	175a 75,	McDennell Doug
15.	1814	AVP	10 251 ₂	49	151 ₂ 861 ₂	Funtione	3714	181	774	Memores
140 51	1031 2454	3 Year Products	109:- 261:	493 ₄	36. 141, 55	F.M.1	20 ág	5231 24	12% 154	NGK
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45: ₄	26% 194	Bestries France.	32 24 38>x	80 84 tu	23-4	Precion Manerala Prochast	26/1	747s 641c	54 /s 46 /4 47	Motel Oil
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275a 2022 531	1613 5114	Hendo Ligados Benguet Conc	347	473	9014 3014	G.A.F	1454 3612	60: 35:4	3613 2559	Nation Chemical.
5u :	24.4	Perineban steel.	30% 1234	17 53 is	1214 384	tien Amerika Gen Amerikan	1414 533a	57:s	43 9 u	Nashue
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2 44 (25%	d ma. Mileras.	37 . 47.,	18 ₂₈	6:4	Hutton K. f	1012	39 89	7918	Pengha Gas
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Amerikalinjen.
Bergens Privatok
Becg. Dampekih
Berreguand
Brunsgaard K-60u
Graditbark.
Dalfons K-1000,
Bilkem Spig Krod
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Orka Grabasa.

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September 1

The Financial Times Midnay S. (a) Tried S. (b) Abscirs Arbuthaot Lid. (b) Abscirs Arbuthaot Lid. (c) Abscirs Arbuthaot Lid. (c) Biserviconity Unit Fd. Managers (c) (c) Abscirs Arbuthaot Lid. (d) (e) Fessel Britannia Group (c) Hss., Fourant St. Manch. M2 AP (c)

(g) Allied Hambro Group

The Ebor Group

(a) (g) Ebor Securities Ltd.

4, Gt. St. Helens, ECSP 3EP. 61-551 9692

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(b) Charles Ltd.

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(c) Emblem Fd. Mingmt. Co. Lid. 29, Copthall Avenue, E.C.2. 61-525 6365 Emblem Sept 11...|55.6 58.1|| 0.98 g) Ausbacher Un. Mg. Co. Lid. 20 Street, E.C.2. 61-686 4010 th America 55.6 35.2 +0.8 1.24 (a) (g) Equitas Securities Ltd. c) Archway Unit Tet. Mgs. Ltd. Mary Ave. E.C.J. 91-263 6141 rayCap Fd/99.6 104.8 2.57 ray loc.Fd/189.8 147.2 5.15 (a) (b) (c) Equity & Law Un. Tr. M. Amerikan Rd., Righ Wycombe, Bucks. Tel. High Wycombe 2255 Family Fund Managers Ltd. 72/88 Gatchouse Rd., Aylesbury. A'by. 5841 TheFamilyFund;63.0 66.3)+8.5; 2.42 First National Equities Limited Finsbury Pavement, EC2P 281, 01-438

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5 psgate Progressive Mgmt. Co.

2) Wm. Brandt's Sons & Co.

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Next dealing day Oct. S. Great Winchester Unit Trust Great Winchester Unit Trust

4. Taberracle Street. E.C.2. 61-83 4851

53. Monument St., E.C.2. 61-83 4851

61-83 Winchester 28.2 29.7

61-83 4851

61-84 Winchester 28.2 29.7

62-84 Winchester 28.2 29.7

63-85 Winchester 28.2 29.7

63-85 Winchester 28.2 29.7

64-87 Winchester 28.2 2 m Sent. 19. Next sith, day Sent. 28.

| Amount | Section | Secti

The Crescent Group

Unit Tree Managers 1.2.

U

charvise indicated writes are in T. Banks and Insurance; reserve alloca. Whocheing a final division of a second process and the second process and the second process and second process. The second process and second process and second process and second process.

(-10)-(-6) (-1)-1 414-53 814-53 7-758 7-36-73 616

term certained to rates as follows: two years 90%-915% per cent.: three years term certained rates as follows: two years 90%-916 per cent.; and five years 90% per cent.

telerat rates are call for meriting. U.S. delians and Camadian delians are notice for guilders, marks and Swiss france.

11/g-12/4 12/g-12/4

m. 1519-14 13-1936 other 1509-1519 1578-1138 m. 15-1519 1578-1138 m. 151-1519 1578-1138 1419-1418 1518-1139 1419-1418 1514-1554

allowing nominal rates were h 1156-11 per cent.; three one rear 102-1076 per cent

Sterling Certificates Inter-bank Authority deposits

11 111-123a-121a 12-3-124a 127a-125a 12-3-124a 134a-135a 135a-135a 154a-135a 135a-135a 154a-135a 135a-135a 154a-127a 12-3-33a 151a-127a 12-3-32a

0-121₄

PK.B.Unit Ed Inc 55.8 60.214 3.61 Next dealing day Sept. 14. L & C Unit Trust Management Ltd.

(a) (z) Oceanic Managers Pinners Rail, Ametia Prince. E.C.1 25. Monument St., E.G.1. Legal & General Tyndali Fund 15. Catymer Road, Bristel. 8272 3240 **Dia l'init Feps. 12:50.9 52:6' 4.03 **Acci Unitadept. 12:52:8' 55:4' 4:03

Next subscriptes day Oct. 18, Lloyd's Life Unit Tst. Magra. Ltd.

(a) (g) London Wall Metron, Exempt, Fund Mers, Ltd.

Minster Fund Managers Ltd. Morgan Grenfell Funds Mew Court, St. Swithin's Lane, Ldn., R.C.4. New C't Exempt £ £115.0£118.0 3.50 Price' on Sapt. 17. Next dealing Oct. 13.

(z) (c) (z) M. & G. Group

3 Outry, Tower Hill, ECSR 480. St-894 and

SHARE INFORMATION SERVICE: NOTES

Rowe & Pitman Management Ltd.

7 N.F.1. Glb U.A. 17:

[Account, Lusius, ... 40.6 42.7 ... 2.60]

9 Distributh Luis 32.4 41.5 ... 2.60

9 Prices at Sept. 18. Next dealing Oct. 2.

(a) National Westminster

41. Luthury, ECP 28P. 91.37 394

9 N.W. Assessing, 46.6 49.5 4.6 4.8, 4.65

42. Luthury, ECP 28P. 91.37 394

9 N.W. Primal The 34.4 36.6 +2.1 3.35

43. Luthury, ECP 28P. 91.37 394

9 N.W. Primal The 34.4 36.6 +2.1 3.50

9 Financial ... 33.7 35.6 +3.3 2.80

9 Financial ... 33.7 35.6 -3.3 2.80

9 Financial ... 33.7 35.6 -3.3 2.80

9 Financial ... 33.7 35.6 -3.3 2.80

9 N.W. Primal The 34.8 93.2 2 3.1 4.1 4.10

9 N.W. Primal The 34.8 93.2 2 3.80

9 N.W. Primal The

(a) Stewart Unit Tst. Managers Lid. 43. Charlette St., Painburgh Est 48W. 43. Charlette St., Painburgh Est 48W.

(a) (g) Target Tst. Managers Ltd. 94. Resma Biden, ECAA 18U. 61-36 677 Target House, Galchosee Rd. Aviesbury. Bucks. Ayisabary 806 544 (a) (g) Pearl-Montagn T. Mgrs. Ld.

Remigium Management Limited Westgate Har., Coleman St., ECER SEL (a) Ribchid, & Lwads, Mers, Ltd.

Tyndali Managers Ltd.

1A. St. Frank & Gurcayang, S.C.A. 284. do.Ante Unitang 32 22.8 24.0 do.Anter Prior to 15.2 \$ 160.4 do. do.Anter Prior to 15.2 \$ 160.4 do. do.Anter University 134.8 141.7 do.Pro Uniting 134.8 145.1 do. Selective Indag 56 67.7 71.3 do. Pro Uniting 14 40.5 do. Pro Unit

SHARE INFORMATION SERVICE: NOTES

Indicated writers are in maintains are 25p and great processes are contage through a state and processes are arrived and processes are arriv Wm. Brandt's Sons and Co. 36. Fencharch St., E.C.I. 04-36 6500 Brandie Ex'mpt... 91.7 94.1....... 7.69

Canada Life Assurance Company 5, Charles H Street, S.W.L. 81-59 612 Growth Fd Sept. 3 50.1 — Cannom Assurance Lid.

1 Olympic by whithy BAS spil 11-462 388

#Balanced Units. 920

#Foodry Unit. 212.32

#Foodry Unit 755.0

#Exec. Bal'd Unit 920.0

#Exec. Equ'v Unit 940.0

Exec. Prop. Unit 10.00

Carrent spit value Sept. 34. #Balanced Bond.... 920 972 — #Equity Bond..... 840 889 — #Troperty Bond...... 18.56 — Capital Life Assurance Evy lav. Sept 12. 118.57

The City of Wstmastr. Assur. Soc. Ringsted House. 6, White Equip Rd. Crordon CBQ 25A. 684 884 The City of Wshministr. Ass. Co. Ltd. Riggreed House, 6, White Horse Rd., Croydon CRQ 25A. 484 664 Second Managed Fund ♥Perf rm ceAugă! ♥Bainuced Aug.3!

Commercial Union Group S. Relea's 1 Understatt, E.C.S. Carakiii Insurance Co. Ltd. 22, Carakii, E.C.1 01-00 500 vtspial Sept. 151.0 -8.0 - 15. - 05. - 5.0 vtspial Sept. 25.0 - 1.5 - 05. - 5.0 vtspiel Set. 25.0 100.5 - - -Crescent Life Ass. Co. Ltd. Braswick Hoe, Mondo, Berics, Mondo 3455 Cres. Plat dinv. Je 48,6 51.2 Crasader Insurance Co. Ltd. Bowning Bidgs., Tower PL EGS 04-68

GrowthPropEepi459.5 62.7: -Dominion-Lincols Equity Assur. 15-04, Makervers St., W.C.2. 04-06 300 U.in Girn Sept. 19 186.6

Hill Samuel & Co. (Guernsey) Ltd. s Lefevre St., St. Peter Port, Guernsey, Cl Hill Samuel Overseas Fund S.A.

Jardine Fleming & Co. Ltd.
22. Pedder Street, Hous Kons
Jardine KastuTett "HK\$348.201
Jardine Japan F. 1 "HK\$253.27" Po Sox es. St. Helter, Jrpy., C.I. 659-57 Europ'n Citer Vd. 81.5 87.37 Jersey Svgs. Bk. Unit Tst. Mgrs

(a) (g) Pearl-Montagn T. Mgrs. Lil.
114, Ohl Brend St., ECP 27H. 8588-866

PRM Growt hF672-1. 25.4 ... 2.78

Pringel Communer 35.8 35.71+8.1 5.28

PRM Growt hF672-1. 25.4 ... 2.78

Pringel Communer 35.8 35.71+8.1 5.28

Proper language la

L&BT Multiway [few, Fr478.0 500.9] L&BT Income Pri, Sw. Pr480.5 502.9] Prices at Sept. 19. (x) (c) (z) M. & G. Group Darling Hanagement Ltd. Bo, Bent St., Sydney, N.S.W., America

Delta Group P.O. Box 1447, Names, Bahamas, DeltaInFdSept.18; US\$8.81 +0.21 •DeltaInFdSept.18;B\$1.58 1.65;+0.04;-Diploma Fund Management Ltd. Dreyfus intercontinental inv. Fd. P.O. Box N3712, Nassan, Bahaman, K.A.V. Sept. 18 ... | US\$11.91 | The Dreyfus Offshore Trust N.V. P.O. Ber N3712, Nassau, Bakamen,

Ebor Management (Jersey) Change | Cap....... 197.5 207.7-0.2 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | 1.50 | Eurosyndicat Group Enrunion Lux. F. 1.838 1.909 -21 3.67 Finance Union LF 387 408; 4.85

Assents M. M. Rothschild & Sees Ltd., 436 4955. Hill Samuel & Co. Ltd., 632 2021 F. & C. Mingmat, Ltd. Inv. Advisors 77, London Wall, SCRW 1999. 91-588 5888 Negit S.A. Cen'ryFund#ent.12: US\$7,24 -

UNIT TRUST PRICES

Prices in pence National Group (1)

Fidelity Life Assurance Ltd. Pidelity House, Corporation Street, High Wycombe, Tel. HW 35871.

VI.mericanGihFu 39.4 41.5:+2.6 —

VPlexible Pund... 20.5 21.6:+2.1 —

Trust of Trusts....48.16 50.88 —

Do. Cap..........49.3 51.9; Growth & Sec. Life Ass. Sec. Ltd. United House, W.11. 81-22 6146 Growth & Sec. and Control of Sec. United House, W.H. Standbank Sec. 87.4 Vlandbank Sec. 87.4 Vlandbank Sec. 87.4 Sec. 82.9 Vlandbank Sec. 82.0 Sec Guardian R.E.
Royal Exchange, E.C.2. 61482 7361
Penman Pd. Ca., 97.3 102.4

Hambro Life Assurance Limited Winniber Equity, 137.5 134.5 wProperty, 139.1 155.5 wManaged Cap..., 118.5 124.5 WManaged Acc..., 122.5 129.4 wPen, Prop. 120.1 135.9 145.1 wPen, Prop. Acc., 148.2 156.1, wPen, Man, Cap., 127.2 135.5 wPen, Man, Cap., 138.7 146.5 Hearts of Oak Benefit Society Euston Road, London, N.W.L. 65-587 Hearts of Oak33.5 55.1;

Hodge Life Assurance Co. Ltd. 114-115, St. Mary Street, Cardiff. Car. 4297 imperial Life Ass. Co. of Canada

Imperial Life House. Guildard 7135

Guildard 7135

NEL Pensions Limited Militan Court. Doridan, Surrey Melecular Accust Justs 64.5

Pen Gth.FdSept240.7 44.3 +0.6

Nelecular Limits 64.5 67.8

Nelecular Limits 64.5 67.8 The Individual Life Ins. Co. Ltd. 127, Old Brand Street, E.C.2. 91-583 1750 Norwich Union Insurance Group Brantes Send Ind. Savings Plan P.O. Box 4, Norwich. NOR.SSA. #Managest | airs. 96.1 101.2 7 8.4 #Property | mar. 98.8 104.0 #Equity | airs. ... 85.1 89.4 1.9 #Freed Inc. Units. 98.0 104.5 | +0.1 Investment Annuity Life Assar.

9, Devereux Court, W.C.2. #1.353 59

wilton Equity Find - 95.8 wilson Equity First 95.5 +1.5;
wilson Prop. Fund 68.6 |
wilson Prop. Fund 78.5 |
wilson Equity Prop. 103.2 |
wilson Equity Prop. 103.2 |
wilson Prop. 12 |
wilson Might Here 79.3 |
wilson Might Here 79.3 |
wilson Might Equity Prop. 1 |
wilson Might Equity Equity Prop. 1 |
wilson Might Equity Equit

Close 419-424

OFFSHORE AND OVERSEAS FUNDS (p***)

Utility Hs. PO Box 463, Hamilton, F Albany Fd. Ltd..... \$11,39 12.15;

Amiralian luv. Mau. Group

Amer. Express Inv. Maguet Co.

Australian Selection Fund N.V.

Fidelity Ster. Pos.
Series A (Int'un) £4.47 +0.15 —
Series B (Pacific) £4.57 — First National New World Fd. Ltd. Net asset value Aug. 22, \$BL89 Free World Fund Limited Butterfield Building, Hamilton, Bert N.A.V. Aug. 31 __:088135.96 ; _____ G.T. Bermuda Ltd.

Rambros (Guernsey) Ltd. Hernsey Trust ... 118.9 125.2 + 0 5 2.24

Grimshawe Tst. Management Ltd.

Japan & Far East Sees. Man. Connaight Centre, PO Box 599, Rong Japan P. East Sephi: HK\$10.55

Sub. day Aug. 21. "Equiv. SUSS.41.

NAV 1 Sept. 15. 1 Aug. 21.

Jersey Inthl. Fund Managemt. Ltd.
25. Hull St., St. Reiler. Jersey. 854 327.

117 Intl. Gtb Fd... 1 -8817.09 1.46

L. & B.T. Mugmut (Jersey) Ltd.

Samuel Montagu Ldn. Agts.

Morgan Grenfell Fds Mgt (CI) Ltd 19 Pellet St., St. Pater Port, Guernesy, C.I Channel Islanda. 94.5 99.5 Murray, Johnstone (Inv. Adviser)

" NAV Sept. IE. 2 NAV ABE. 31.

LIGHT-VESSEL Trinity House has replaced the Owers light-vessel, seven miles off Selsey Bill, Sussex, by a large automatic navigational buoy. The

buoy, made of steel and weighing

Bank base rates, Page 29

Bank base rates, Page 29

Fixed Interes: 64.00 63.83
Industri Ord 423.0 413.8
Gold Mines... 188.5 133.8
Gold Mines... 188.5 163.7
Dealings mkd. 656.0 6,160. controlled from St. Catherine's Lighthouse, Isle of Wight, about F.T-Actuaries

§ Yield %

Cide Mang'ed In 95.5 98.5 Wh. 5 Wh.

Prop. Pens. 134.8 91.0 1.1 lb. Carringe Road. Bristol. Prop. Pens. 124.8 92.8 lb. Carringe Road. Bristol. Prop. Rquify & Life Assec. Co. 119. Crawford Street, Will 2AS. 61.488 687 199. PenFd Series 100.8 Next val. *Oct. L Wiscallight Fide 79.5

*Licallight Fide Assertate Co. Life Prop. Sur. Van. 101.5

11. Finding Square, E.C.2. 61-628 923

> | Prudential Pensions Limited | Windsor Life Assec. Co. Ltd. | Hubbart Bars Ectiv 2ng. | 91-95 9222 | Routry Fl. Sept. 19 216.89 | 17.32 | Hubbart Bars Ectiv 2ng. | 10.55 | Hubbart Bars Ectiv 2ng. | 10.55 | Hubbart Bars Ectiv 2ng. | 10.56 | Hub Reliance Mutual Reliance Mutual Tunbridge Wells, Keat. 5532 22271 Rel. Prop. Bonds. 155.0

Bank of Bermuda Bara., Hamilton, Banda, NAV Sept. 14135. 605p .-11 | --Old Court Fund Mgrs. Ltd. P.O. Bot 38 St. Julians Ct. St. Julians Avc., Guerasey, C.J. 0631 26331
OU Eq. typid log 31 49.0 51.6 1.91
OCIntPad Sept 1795.5 98.1 Dealings Monday. † Dealings Wed. . J. Henry Schroder Wagg & Co. Ltd. 129, Chrapside, E.C.: 40-583 4000 Amerilar sept 19 512.12 45.56 24.55 Chps.Fid.Sept21. 510.13 Traisigne Aug st. \$97.89 j....... 0.50

Shareholders Excalibut In. Cp. S.A. *2.10 S7, Rue Notre-Danie, Luxembourg. Singer & Friedlander Ldn. Agents Siater Walker Tst. Mgt. (Jersey) Signer Warner 1500 mag. (State); 2-6 Church St., St. Beller, Jersey. 8536 Jish; Growth Investor, 201.1 211.6—1.4] 1.52 international Fd. 57.1 70.6—2.1, 1.49 Value at Sept. 21. Next dealing Sept. 24. Standard & Poor's Intl. Fds. S.A. 🕠 14. rue Aldringer, Luxembourg. hethest alSept. 2] ("S\$187.47 [#5.37] — [(c) Standard & Chase Bk. C.L. Ltd.

> Tokyo Pacific Holdings N.V. Intimis Management Co., N.V. Caracas, NAV per share Sept. 17. SUSSEAL Tokyo Pacific Hidgs (Seaboard) NV

Triumph Oceanic Int. Fd. Mgrs. Interptitional Fd. 42.9 45.1'-0.9' 3.56 Tyndali Managers (Bermuda) Ltd., P.O. Box 1256, Hamilton, Bermuda. Oversees Fd. Dr., \$1.48 1.54 6.00 Do. Accum, \$1.73 1.80 6.00 Prices at Sept. 5, Nest sub. day Oct. 3. Tyndali Managers (Jersey) Ltd. Utd. States Growth Inv. Tst. N.V. P.O. Box 1046, Nassan, Baharras, U.S. Growth Inv., U.S. 6.69 6.89 0.73 United States Tst. Intal. Adv. Co.

14, rus Aldringer, Luxembourg. U.S.Tynatluv.Fd. \$16.29 Net paset value Sept. 18. Vavasseur First Investors Limited 15-16, America Square, E.C.L. 01-488 4512 As.L'dæ Prp Fund, BS 1 L.26 1 Net asset value Sept. 20.

Wales Unit Inv Ltd. Wales Trusts prices obtain Sank of New South Wales S. G. Warburg & Co. Ltd. 20, Greshatt Street, E.C.2. 01-800 4883 Cm, Mit Lt Ang30 £11.06 11.46 Cv, Bd, Ft.48pt.20, US\$9.06 48,15 Eursylon.Sept. 20, US\$12.58 +0.11 Greakst\$Fd.sept.6; US\$9.23

Field allows for all buying expenses.

Field allows for all buying expenses indicated a Offered prices include all expenses. b Today's prices. c Yield based on offer strees, d Estimated, g To-day's opening price. h Distribution free of U.R. taxes. s Offered price includes all expenses except agent's commission. g Offered price includes all expenses frice includes all expenses frice includes all expenses frice includes all expenses frices. O Net of tax on resilised capital gains. I Guernsey yield. § Suspended,—Not available, exchange restrictions.

• Prices set including 3 Premium.

WEEKLY AVERAGES

OF U.K. INDICES Financial Time

25 miles away.

The Owers was one of the first navigational hazards to be marked by a light-vessel, in 1788.

Target Life Assurance Co. Ltd.
Target House, Gatchouse Rd., Arlesbury, Bucks.
Mangel Bond Add. \$6.5 101.9
Prop Bond Accoum 137.0
Prop Bond Invest 136.0
Ret Plant ap Pen... 64.2 68.1148.5
Ret Plant ap Pen... 66.5 70.6 - 0.3

Wharming & Gen. Mutual Life Ass. Soc.

1. St. Swithin's Line, E.C.4. 01-623 8211
SqualinkSeptio., 120.6 125.11
Nation Life Insurance Co. Ltd.
Nation Life Insurance Co. Ltd.
Nation Hee, Teddington, Mar. 91-97 8311
Whatton Prop Busic 1.488 1.545
Capital Canter Life 1.182 1.215
NEL Pensions Limited

Trident Investors Life Assurance
Marione Hise, Lioya's Ave., ECON. 3H3
NEL Pensions Limited

Vavasseur Life Assurance Ltd. Various Rice, Lloyds Ave., EC3 01-481 5461 Texal tenestre Fd., 94.5 99.5

Reliance Mutual
Tunbridge Wells, Kent. 155.0
Red. Prop. Bonts. 155.0
Royal Insurance Group
1. North John St., Literpool. 951-226 (2022)
Egyptish eldFodj103.0 108.3

il muhartice and finance houses seven days' notice, others seven days fixed. "Long-term local authorities morisise inally 12.-13 her cent. for three years: 12!-12) per cent for fours years; and 12-12) per cent. for three years; 4-Bank in table are buring rates for prime paper; baying rate for four-month bank bills about 12-13) per cent.; and four-the bills 13:-15 per cent. for three-month celling rate for one-month Transmy bills 18-100 her cent.; for three-month recent.; and for three-month 101-101 per cent. Approximate selling rate for one-month bank bills 111-12; per the bills 15,-15 per cent. Approximate soling rate for one-mouth Treasury bills 184-16; per cent.; for two-mouth Frankint-54,-54 of year or cent.; and for three-mouth 101-101 per cent. Approximate selling rate for one-mouth bills 115-13 per cent., and for three-mouth 121-12 per cent. Approximate selling rate for one-mouth trade bills 115-13 per cent. two-mouth 121-13 per cent.

All three-mouth 121-13 per cent.

Beauth Bree-fresh fraitheath by the Frankint Economy Association 12 per cent. from September 1. Charles Same 10-8 cas per 1

1114

oney & Exchanges

in the joint-float of certain EEC financial franc, it rose 315 points and associated countries to gather to Frs. 13850.

Cold rose 33 an ounce on balance in the money market showed amount of assistance, through bill purchases, on Monday, a small purchase, and a large amount on week against major currencies in Montreal; \$2,2478,4789 2,4254,4250 per cent.

The three-month sterling for the rose 315 points into stronger and weaker groups, with German marks, Damish to Frs. 13850.

In the joint-float of certain EEC financial franc, it rose 315 points into stronger and weaker groups, with German marks, Damish to Frs. 13850.

FOREIGN EXCHANGES

form interest rates in the authorities giving a moderate towards the top of fluctuation.

Market Rate in the joint-float of certain EEC financial franc, it rose 315 points into stronger and weaker groups, with German marks, Damish to Frs. 13850.

FOREIGN EXCHANGES

foot for the financial franc, it rose 315 points into stronger and weaker groups, with German marks, Damish to Frs. 13850.

FOREIGN EXCHANGES

foot for the financial franc, it rose 315 points to Frs. 13850.

Foreign market librated for the form of fluctuation.

Market Rate in the joint-float of certain EEC financial franc, it rose 315 points to Frs. 13850.

Foreign market librated for francy, Norwegian to Frs. 13850.

Forei money market showed amount of assistance, through bill and the dollar weakened over the burchases. On Monday, a small amount on Wednesday and on the three-month sterling. Thursday, and a large amount on Wednesday and on the three-month sterling. Thursday, and a large amount on the three-month sterling. Thursday, and a large amount on the three-month sterling. Thursday, and a large amount on the three-month sterling. Thursday, and a large amount on the three-month sterling. Thursday, and a large amount on the three-month sterling. Thursday, and a large amount on more sharply of the two. Sterling's trade-weighted average depreciation since the Washington Curticular trade-weighted of the dollar, the pound rose its points net, to \$2.4250.2.4260. Evident to \$7.22.22 1.20.016 various Continental moves were made to control flows of exchange. Short-term Euro-marks moved to negative levels. The 3-month discount on sterling, against the dollar, narrowed 0.42c, to 2.87c.

In terms of the Dutch guider, the 11S dollar fell 1.235 points at application of the points.

In terms of the Dutch guilder.

The U.S. dollar fell 1.235 points.

Argentime 11.24 12.25 (Note lines or some 4.6 per cent., 10 Fis. 2.3355. Australia. 1.235 (Australia. 1.235) Australia. 1.235 (Australia. 1.23 Cent. 22.34.49.27 U.S........241-244-T Based on rates united by specialist dealers. Other rates may be quoted elementer. (sp.) Selling price. () Commercial rate. Financial rate X 850428. 18(3-1714 1214-1216 1219-15 18-2-1714 1214-1216 15-15 11-1714 1214-1212 15-15 --- 15-14 1312-15 FORWARD RATES

- Con Month Three months 25-23 ore per

CORAL INDEX

Brussels tests the British developer

BY PETER RIDDELL, PROPERTY CORRESPONDENT

especially in Belgium, the first and Beazer. country in which British property groups became involved British acquisitions have been The reasons for the general estate agents boards.

on a large scale, and where completed and fully let, the expansion of U.R. property raising money locally.

Belgian property is now at least ing will produce an over-supply significant question is why deSwitzerland. MEPC bought its ties in order to attract staff, and This has led to a debate £200m., and considerably more situation.

if the full completed value of The threat of a glut of office developments under way is space has been a familiar part taken into account. This cont of the Brussels office scene since taken into account. This cont of the Brussels office scene since a relatively easy place in which are Swiss. French, Italian and Lang Wootton, for example. Avenue des Aris, but some sists of more than 50 schemes, the early 1960s when the first nearly all office buildings in speculative schemes began. Until Brussels. Although there are then, most buildings had been more U.K-owned sites in Paris, constructed for owner-occupiers, the relative level of market but Belgian contractors—backed penetration is probably greater in some cases by foreign money

Estate agents

This can easily be seen in a casual stroll along the Avenue des Arts, in the streets running

Although some of the early last year. tough credit controls have bulk of the investment is in activity on the Continent are recently been introduced which office schemes in Brussels clear: the stiff competition and will severely limit the scope for hought in the past couple of planning difficulties in Britain years and the main worry is and the relatively higher level

-started to develop. This produced an over-supply in 1964-65 and rents fell for a period before the space was taken up.

Pioneers off it in the Quartier Leopold The first British developers 6 per cent to around 4 per cent. or in the Avenue Louise, where moved in on a very small scale Now the gap is slightly smaller, there are British estate agents' in 1962-63. Among the pioneers

The most spectacular example boards almost every few yards, were Richard Coopman (now of this expansion was the Abbey Agents-notably Jones Lang very active on the Continent Property Bond Fund's acquisi-Wootton and Richard Ellis from with his London and Overseas tion of the Tour Madou, a 33 taking an interest in parts of square metre for new space and ing to impose an office pattern the U.K. and Jacques de Duve, group) and Harry Hyams. A few storey office block in the Avenue a leading Belgian firm-have more U.K. developers such as des Arts, for more than £7.5m. ing British developers' interest, in the mid-to-late 1960s, when year, MEPC bought a large stake should only start coming on the in the last year. The list of companies includes a further glut developed.

velopers went first to Brussels raising money or obtaining schemes. planning permission for office building.

Until this year, both investother places on the Continent, three points above prime office yields in Central London, the latter having dropped from over

in the office and shopping con- market from the New Year

THE FIRST enthusiastic rush major U.K. groups such as This lasted until 1970 and altent of the massive Manhattan onwards. Meanwhile there is a to favour the developers for the of British property men on to MEPC, Star, Town and City and though it was, in fact, an ideal Centre for £18m. These acquisis shortage of new space but a next year to 18 months, but will the Continent appears to be Amalgamated Investment, but opportunity for developers to tions underlined the growing very strong level of demand, after as supply increases. The over, and developers are begin-many of the most active start schemes, most British British interest in Brussels and The expansion of the EEC does most widely accepted figures ning to face the real test of developers in the city are less groups stayed away. But when led to some criticism in the not seem to have had much show that while some 174,000 their commercial judgment: well-known, medium-sized com- the over-supply ended in 1971 local Press. But there is a influence so far, although a square metres have become or whether they can successfully panies like Lynton Holdings, they started moving back in danger of exaggerating, the number of concerns with offices are due to become available in let their buildings. This applies Law Land, Grosvenor Square again in greater numbers with purely British involvement be- in Brussels have expanded 1972-73, at least 390,000 square an almost hectic rate of activity cause of the large number of their representation. obvious indicators, such as

Competition

The total U.K. investment in that the increase in office build of returns overseas. The more particularly from Germany and interests seeking better facili. and only later moved in great against stiff competition from a Belgian Government. There has the relative attractions of numbers to Paris. The obvious leading German bank, while been a steady stream of lettings various parts of the city. No one a relatively easy place in which are Swiss, French, Italian and Lang Wootton, for example, Avenue des Arts, but some to operate. Until recently, there
U.S. companies and funds in reports that so far in 1973 it observers believe that other
have been few difficulties about
addition to ten or so British has let 80,000 square metres, parts of the Quartier Leopold

> to underrate the activities of year. ment and development yields Belgian groups. Many buildings were generally higher than in are still being developed by Belgian contractors, such as except Paris. They were at least Herpain, even in areas where the multi-tower complex.

The main increase bodies which accounted for push back the date of glut from perhaps 30 per cent of demand late 1974 to the summer or in the mid-1960s and are now autumn of 1975, but few There is a lot of other foreign responsible for 70 per cent observers doubt that there will money in Brussels property. This includes both commercial be an over-supply lasting for stake in the Manhattan Centre administrative tenants like the between the U.K. agents about It would also be misleading metres up to September last sufficiently different to draw

Pre-letting

the British are most active. One the market, the main effect of several schemes and the arrival of the most interesting large the increase in demand has of certain big groups such as long-term projects, the World been to produce a large amount IIII. Trade Centre, is being devel- of pre-letting activity for the oped by a local group run by first time—and to push up M. Charles de Pauw, although rents sharply. Rents in the top foreign companies, such as location in the Avenue des Arts There does, however, seem to Triumph Investment Trust, are are now around BFrs.3,250 a be a danger of the British try-BFrs 2,750 plus for modern on the city similar to the one Most of these schemes, given buildings in Avenue Louise, an in London. The situation in

metres should be completed in inquiries has come from local and pre-letting activity may

compared with 60,000 square will suffer because they are not tenants, Others are sceptical about the prospects for sections it has been establishing itself Because there is so little on as a major office area with

Head offices



The Tour Madou in Brussels, bought by Abbey Property Bond Fund for over £7.5m.

played a major role in stimulat. Oddenino's became active again last autumn. Then, earlier this the normal development cycle, increase of over 10 per cent. Brussels is much more fluid, the Boulevard de Souverain, other parts of Belgium, notab Some of the highest rents have where there are a number of in Antwerp, though the sco The market should continue been paid outside the centre in major head offices. The World is limited by the size of the Trade Centre is also making country. good progress and attracting

> Similarly, few British derelopers have been active in The main question mark is on the lower town, the historic the effects of the recent cred office district near The Grand squeeze, which has pushed t Place, where a number of interest rates sharply and pu major Belgium-owned schemes a ceiling on the amount white

element of uncertainty and schemes have already be there have been plenty of warn- funded, though refinancia ings about over-enthusiastic problems could occur. developers buying schemes at very high prices in poor locations. But it is still possible to arrange profitable schemes taking into account the probability of a year or two are short-term at present-a without tenants—which is what likely to act as a further brain happens in many British on British expansion, the provincial towns. One British could also lead to some con agent has acquired a develop panies bringing in finance v ment in the Quartier Leopold the eurodollar market or ire which can remain empty for up the U.K. under the rule whi to eight years on present rents allows £1m. per project p and yields without showing a year to be exported withou

Antwerp

A number of U.K. companies eager to move into Brussels." are now wary of buying new. There are signs though, the schemes in Brussels and prefer the developers' job may become o go elsewhere. Several are more difficult because planni the Brussel office market to the shopping tighter. But despite this a and industrial sectors, especially the medium-term worries abo the latter, and at least half a the supply situation, Britidozen new industrial estates are property activity in Belgium planned or being developed by acquiring a momentum of i-U.K. companies near Brossels own, ensuring a continuit airports. A number of office important long-term role f

The scale of this expansimajor tenants in an area which has aroused some comment b has until recently been rather local observers do not anticipa any specific measures to restri the amount of foreign activit can be lent by Belgian Institu All this provides an added tions. Most of the existing

Dollar premius

capital loss. Whether others going through the have been as cautious is less premium. Given the cost money in the U.K., this is like to mean that more develope will link with U.K. insuran companies and pension fur

buildings have been acquired in U.K. groups.

BARCLAYS BANK INTERNATIONAL REVIEWS THE LATEST GNP PER CAPITA FIGURES.



Afghanistan, Bhutan, Bolivia, Botswana, Burma, Burundi, Cameroon, Cape Verde Is., Central African Republic, Chad, China (People's Republic), Comoro Is., Dahomey, Ethiopia, Gambia, Guinea, Haiti, India, Indonesia, Kenya, Khmer Republic, Laos, Lesotho, Macao, Madagascar, Malawi, Maldive Is., Mali, Mauritania, Nepal, Niger, Nigeria, Pakistan, Portuguese Timor, Rwanda, Seychelles Is., Sierra Leone, Sikkim, Solomon Is., Somalia, Sri Lanka, Sudan, Swaziland, Tanzania, Thailand, Togo, Uganda, Upper Volta, Vietnam (North), Vietnam (South), Western Samoa, Yemen (Arab Republic), Yemen (People's Democratic Republic),



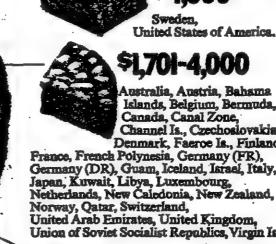
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Wimpey takes delivery of tug/supply ship

ful trials.

It was built by Appledore Shipbuilders in North Devon. Wimpey Sead
builders in North Devon. Wimpey Sead
bas a greater freeboard a draught of 16 feet
beam and a draught of 16 feet
loaded with a cargo deadweight
of 1.040 long tons. On a draught
of 18 feet the cargo deadweight
would be about 1.490 long tons.

The clear cargo deck is 108 feet
in length and 31 feet in breadth while carrying 1,000 tons des
weight cargo. The twin ma
weight cargo. The twin ma
and is stiffened to take point at 825 r.p.m. and developh
loads, is timber sheathed and is 2,810 h.p.

THE FIRST in a series of three capable of carrying up to 600 lotting/supply vessels for Wimpey (Marine), of London, the Wimpey Seadog, has been delivered to her owners after completing successful trials.

A model of the ship was extended to achieve the completing successful trials.

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56% increase in profit

Extracts from the Statement by Mr. Edward G. Dale, Chairman:-Profit before taxation amounted to £624,374. This achievement is very satisfactory in view of the Dock Strike in the Summer of 1972 which had serious repercussions on the Road Transport Storage and Distribution Division. The profitability of this Division has now

In the Steel Stockholding and Processing and Engineering Supplies Division sales and profits again reached record levels. Plans are proceeding for the further expansion of this Division. Vehicle Distribution Division has had an excellent year and Order

Books are full. The Group has made an excellent start to the current year and provided the Government has a reasonable measure of success in its economic policies the prospects appear to be very good.

	Increase	Year ended	Year ended
		31.3.73	31.3.72
Group turnover	47%	£11,188,558	£7,590,909
Profit before texation	56%	P624,374	£398.085
Taxabou		£222,942	£151,423
Total (profit after taxation)	-	£401,432	£246.662
Dividends (grass equivalent)		1 500	19.184

Copies of the Report and Accounts may be obtained from the retary, Head Office, King Street, Longton, Stoke-on-Trent ST3 1EU. The Financial Times Monday September 24 1973

New Home for Commodifies Futures

FINANCIAL TIMES SURVEY

ocal but far-reaching move

OHN EDWARDS

ane is a small one in solved.

ial markets.

lemains aloof

Exchange : building in initial teething problems are reputation for fair dealing, round-the-clock coverage. More

- new premises have whose daily turnover far right. a commodity trading exceeds that of the Stock nade up of several units Exchange, and the flow of raw osed to the previous materials being sustained to haphazard collection of industry is vital to the prosperity of the country.

London's leadership in interthe London Matal Ex- was one of the first indusugainst currency uncertainties provide the necessary financing promising area for expansion femains aloof at its trialised countries and a has been an increasingly im. To make a hadging facilities. using the special skills available emises in Whittington massive importer of food and portant factor in the commodand somewhat strangely raw materials, through its own it; markets, where price example, there must be a will-move to new premises is an ne-grown grain futures lack of domestic resources.

have opted to stay at Although Britain's role as a changing values of international often provides that essential the British markets keep up tic instead of moving dominant buyer on world currencies like the U.S. dollar Corn Exchange, which markets has diminished follow- and sterling. ses the Mark Lane grain ing the growth of other indus--now a floor above the trial nations, the London commarkets into better many years in shipping, finance premises, with more and insurance have all helped:

respected by East and West important, perhaps has been of distance—a few Some may dislike the alike. At the same time, the the general uncertainty created dry ards. But the changes brightening up of the markets, suit of this short more since commodity trading is gen far reaching for one steeped in tradition. But it is City's most important the price of progress. An alike At the same time, the the general uncertainty created dong tradition of commodity by inflation and currency merchanting and broking in changes persuading those with Stritish has been invaluable in surplus funds to protect them the price of progress. An alike At the same time, the the general uncertainty created dong tradition of commodity by inflation and currency merchanting and broking in changes persuading those with seeping London a step or two

ed furnishings and sur-dependent on a large volume the futures markets trading sale or purchase, must be can forces far beyond the control placed with eye-catching. It is important for the City ducer and merchant would be colourings, and of London, and Britain as a severely limited by the risks volume of buying at one stage.

Therefore, the futures markets trading sale or purchase, must be can forces far beyond the control celled out by a matching of individual or even a group transaction. Thus a large of Governments. ls. There are telephones whole, that the commodity involved. Passing on the risk will later create an equally everywhere, and tele markets should retain their of unpredictable price changes large volume of selling. In the monitors, relenilessly international prominence and to the futures market allows long run it is supply and devital information on expand where possible. A large those concerned with the est muves in market slice of the so-called "invisible" physical raw material coninderlining the immense earnings, so helpful to Britain's cerned to concentrate on that ment in communica balance of payments, come task instead of having to gamble The bright-rather too from the commodity markets on guessing the price trends

Hedging facility

fluences into account, not just of national commodity trading was those of basic supply and deneeded in the operation of any ing countries, the development established because Britain mand. In recent years hedging successful futures market to of futures markets is the most

Much publicity has been market could well be distorted amodity trading centre, modity markets have retained given lately to the speculative even more and move out of pless the grouping of their international status. The element in the commodity line with the physical commod-"—that is, non-metal— City expertise built up over futures markets with suggestive thereby undermining the by the Rowntree Mackintosb tion, by the company to use the

It is obviously true that possible, and make extra profits speculation in the futures mar, in the process. Rowntrees, like kets has grown strongly in the other manufacturers, has conpast few years. This is partly ducted such operations highly due to the influence of the successfully in the past but U.S., where commodity trading came badly unstuck on this is much more orientated to the occasion. The fault

move of the commodity room for expansion, should so has the geographical loca-interest of Americans in using normal hedging facilities—not markets from Plantation strengthen the efficiency of tion of London, links with alternative markets to the the market's.

Mincing Lane, to the them considerably once the former colonies and a world domestic ones to get an almost Incidents of this kind and a

rise in raw material costs at a time inconvenient for governments, always leads to procen far reaching for one steeped in tradition. But it is common institutions, improvement in communication as steeped in tradition. But it is keeping London a step or two shead of other commodity trading centres.

The futures markets are an important part of successive allowing all the markets, were to retain their of see what is going on international standing. The flow provide "hedging" traders can important part of successive what is going on international standing. The flow provide "hedging" traders can important part of successive what is going on international standing. The flow provide "hedging" traders can inevitably be of short-lived "open cry" system of trading them into raw keets. On the surface they materials that retain their basic intrinsic value whatever hap prices apparently being decided intrinsic value whatever hap prices apparently being decided by groups of men shouting at function as sneedily as the inevitably be of short-lived "open cry" system of trading them into raw keets. On the surface they materials that retain their basic intrinsic value whatever hap prices apparently being decided by prices apparently being decided function.

They provide "hedging" function as sneedily as the inevitably be of short-lived "open cry" system of trading them into raw keets. On the surface they materials that retain their basic intrinsic value whatever hap prices apparently being decided that speculative influence on futures prices must be seach other all day in frenzied bursts of activity. But the inevitably be of short-lived "open cry" system of trading them into raw keets. On the surface they materials that retain their basic intrinsic value whatever hap prices apparently do seem somewhat intrinsic value whatever hap prices apparently being decided intrinsic va o see what is going on international standing. The now different from the of information as speedily as ally secretive markets possible to and from all away in the maze of sources is the lifeblood of a in Plantation House, successful trading in commodities, especially in London tradition, given by old—where the markets are all furnishings and sur-dependent on a large volume are has been swent aside of overseas trade and interest.

They provide "hedging" fluence on futures prices must bursts of activity. But the inevitably be of short-lived open cry system of trading duration. A speculative buyer has evolved after many years of for example, must eventually experience as the best method rupt a business overnight. Without the delivery date falls due and the trend of prices is the futures markets trading and sur-dependent on a large volume activity by the consumer, procedure.

> For Britain to take the lead in any radical "reforming" long run it is supply and de. commodity futures markets mand factors that control raw would seem to be the height of foolishness, since it gains morethan most from the present system and should encourage rather than hinder the expan-While speculators may well sion of a business that brings take money out of the market in considerable rewards to the the form of profits, on balance City and country as a whole. The futures markets also it is estimated they contribute With trading in actual physical play a vital role in establishing at least as much as they take commodities moving away from price trends that take all in- out. In addition, a good flow Britain into direct transactions speculative money is between producing and consum-To make a hedging sale, for in the City of London. . The values have had to reflect the ing buyer and the speculator important step to ensuring that "other" side of the market for with the times and sets

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speculative funds, the futures

cost of its cocoa purchases, if

the trade. Without these extra stage for expansion.

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of the trade.

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COCOA SUGAR COFFEE METALS

COMMODITIES II

Served by real-time computer system

By DAVID McILWAIN

With the official move to its new Mark Lane premises to-day. the International Commodities Clearing House is launching the first phase of its new real-time computer system. INTERCOM. This is a noteworthy event because real-time systems, leaving aside banks and airline bookings and a few other high level applications, have been remarkably slow in getting off the ground, and even in the U.S. have hardly impinged upon commodity markets.

Commodity brokers extensive use of computers, it is true, but not in a real-time mode. Batch processing is the rule, in which the total of the day's transactions are processed and analysed overnight to proride in paper print-out form all the information necessary to start the next day's dealings. This 24-hour turn-round service. usually carried out by computer service bureaux, has generally

proved to be adequate.

Real-time working is a more complex concept. It means that ipdated information and working data, such as the validation of new trades against current market prices, can be obtained instantly and at any time by tapping a few keys on a terminal linked to a central computer. The terminal has a rideo screen on which the ferred to teleprinters located on the market floor.

price. In addition, floor brokers aspect of the clearing house's has got to happen sooner the wings, will receive throughout the day work as a computer service later, and the sooner the better, the wings,

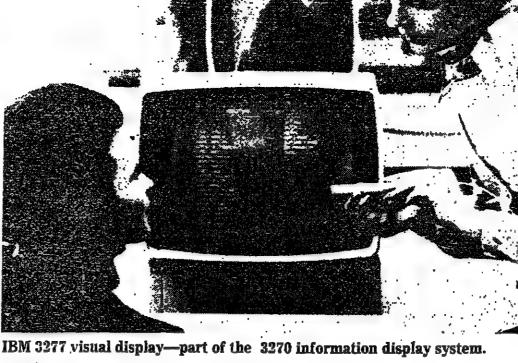
Taking the computing scene

Taking the computing scene

Sizeable bureau

it its administrative HQ, some 70 are employed in computer ser. on. vices of various kinds, which ahead of the Americans." makes it a sizeable service. What about the hard com, an acronym but sums up the bureau by any standards. The modities—the London Metal attitude of many of the larger hardware is impressive enough: Exchange, for example? The brokers in the face of increasing two IBM 370/135, using 192k ICCH does, in fact, consider world-wide business, not to

sluggish response and cash-flow present." problems in the first year or There is evidence that the than many prophets have fore-



McGaw admits that "we've The justification for real-time decided to set up a real-time

To put the INTERCOM over the past decade, and are Helps Ascertain Results a reasonably accurate forecast project into its correct perspective it is worth noting that of says Mcisw, even though there To-day Kubel is looking at however, INTERCOM seems to the 125 staff employed by ICCH are larger markets in Chicago real-time operation and thinking be off to a head start without at its administrative HQ, some 70 for grains, soyabeans and so in terms of "having to-day what necessarily enjoying the loneli-

disks, plus stand-by generators some form of computerised in mention foreign exchange in the event of power cuts. The tegration with the LME as a instabilities.

situation with which clearing house. The brokers who tion into a suitable form for techniques can no attend the ring dealing sessions computer processing. ionger cope ifor example go of afterwards to do their. If Kubel's assessment that

LMC itself is favourably in-cast.

The ICCH system tends to clined towards setting up its Certain service bureaux wanted data is displayed, and fall into the second category, own computerised clearing specialise in City work, and the information can be trans- although at this inaugural stage house for members, but the many are geared to provide realit has itself as client No. 1. trouble is that half the members time facilities if required. Wolff However, director Ian McGaw are for it and half against it, for example, has been happily Such a terminal, installed in a can count on at least 20 on-line Perhaps metal brokers tend to assigning its 99 per cent, batch broker's office, will provide terminals installed by the end be prima donnas and "loners," processing to the City bureau direct access to computer files to of the year to serve ICCH mentand there may well be historical Datasolve International for the year to serve ICCH mentand there may well be historical Datasolve of the year to serve ICCH mentand there may well be historical Datasolve on the provider of the year to serve ICCH mentand there may well be historical Datasolve. check on client's positions, her. This would appear to be and geographical reasons for several years, and Datasolve can including trades completed an adequate launching pad for this. But in the long term the go real-time at the drop of a only a few minutes earlier and 1974, bearing in mind that LME takes the view that a terminal to handle the other price. In addition, floor brokers aspect of the clearing house's has got to happen sooner or are, of course, others waiting in will receive throughout the day will be day to happen sooner the better, the wings.

Varying extents

increasing volume of transac- demand," but adds, "basically use computers to varying least a courageous venture and tions in the commodity markets, we are a clearing house for extents, though not in real-time. In view of the potential competiand in particular the bottleneck dealers in soft commodity One of the biggest organisations, tion, possibly intended to be preof data preparation for contputer input. In the case of ICCH, guarantees for due fulfilment of the LME, devised its own Perhaps the more cynical operating as a clearing house, of contracts. To be even more system and software in conjunct observer of the fast-moving this kind of service is becoming effective we are deliberately tion with a service bureau more computer industry would be inessential in much the same way opting for a more highly than five years ago. At that clined to say: "Come back in as real-time is to the clearing advanced computer technology." time Wolff's computer manager, two years time—by then things banks.

The Mark Lane commodity Harry Kubel used his own name should be settling down a little.

> we can claim to be well you would have to wait for ness of a long-distance runner. to-morrow." which doesn't make

in the event of power cuts. The tegration with the LME as a instabilities.

on-line terminals are IBM 3270s, possibility, though not neces. The trouble is that, according One of the machines is also used sarily in the short term. It to Kubel. 99 per cent. of the for development work by 30 states that "new business on information required will do to-systems analysts and protice LME will not initially be in-morrow, anyway. The remaingrammers.

That said, it is necessary to during the real-time day, is mainly same-day validation add one or two riders. There although, depending on our and data preparation, and these are two ways of plunging into members' requirements, this have always been a problem, the real-time data processing facility will be introduced." The most difficult part of the market. One is to resulte a The LME does not have a process is getting the informagrowth situation with which clearing house. The prokers who then into a suitable form for

reservations, banking, etc.), and own thing. Consequently, the only I per cent, of information the other is to set up a ter- LME tends to regard real-time needs to be in real-time model minal network capability in computer integration with the (and that consisting mainly of anticipation of such a growth ICGH as a "vious hope"—input; then one might reason-situation, often before the qualified, however, by the some-ably question the economic validation. market has demonstrated its what negative though by no dity and cost of setting up an visibility. Many a good real-means prohibitive comment expensive real-time computer-time system has foundered on that there are no signs of terminal capability. But the the latter premise because of a movement in that direction at market will materialise, inevitably, though it may take longer

as a whole in relation to the commodities working is largely the ever- system in advance of market Nevertheless, LME brokers do ICCH's INTERCOM service is at

The Mark Lane commodity statis Asserts for the system; and it may be possible to make markets have grown enormously as an acronym for the system; and it may be possible to make over the past decade, and are Helps Ascertain Results a reasonably accurate forecast

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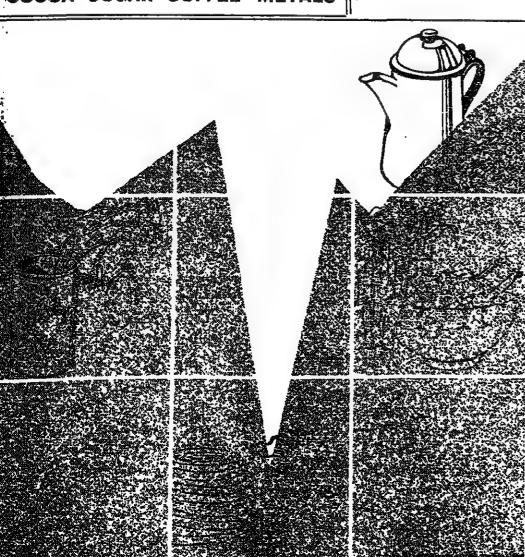
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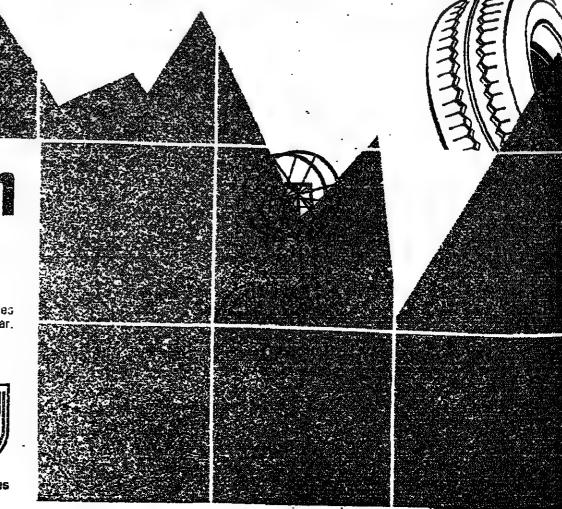
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inprecedented boom marked by pectacular price rises

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reached new all-time too. levels and there were dar climbs in the values e, rubber and wool.

todity futures markets tions in values, especially at the Rowntrees "read" the market formula of buffer stock buying Crop prospects in the main pro-

Cocoa/less

by the supply-demand situation. The amount depends of speculative loss of over flm. by a broker attracted not only by was soon followed by the far and has been for some time, and they have done in the past, tive international agreement to crops will exert too much knowing that a surplus will not replace the pact expiring at the pressure on the producers, or bring an immediate collapse in the past, tive international agreement to crops will exert too much knowing that a surplus will not replace the pact expiring at the pressure on the producers, or bring an immediate collapse in the past, tive international agreement to crops will exert too much they have done in the past, tive international agreement to crops will exert too much they have done in the past, tive international agreement to crops will exert too much they have done in the past, tive international agreement to crops will exert too much they have done arkets are falling and £32m. These setbacks could not adjusted from a small surplus of "paper" money have come at a worse time for to a huge deficit. Production ng eroded by inflation the "image" of the cocoa was unexpectedly hit by The International Sugar anges in the inter-futures market but un-droughts in the main producing Agreement, covering the free

became unbearable.

anges in the inter- rather doubtedly the need for these areas in Brazil and West Africa, and against currency uncompanies, to cover their outant by the previously low level es, both by the trade standing positions influenced of prices, Demand on the other hand rose sharply as industrial the existing agreement expires to resolve the existing the existing agreement expires to resolve the existing the existi

main crops in deciding future kets that it is difficult to predict At present, because of crop normally at a low ebb because price trends. Consumption is the future course of events. shortfalls, notably in Brazil, of the summer holiday period in

joyed an unprecedented higher price levels. Big profits wrong, but instead of recognis- and quotas aimed at stabilising ducing areas look good at sumers have more than adequate uring the past year. In have been made by trade and ing this fact and cutting losses, prices within agreed levels. At present, and demand must be stocks in hands and hope to conditions which were speculative buyers, but some the company poured in more present world prices are far feeling the impact of the high be able to hold out longer than ectic cocoa and sugar big losses have been suffered money to try to ride out the above the level at which the prices, so there should be a the producing countries, which situation-until the cost finally agreement would start to move to lower levels. But it is argued, tend to argue operate and there is no chance world stocks are far below what among themselves and have not

lative buying, especially cur- buffer stock of surplus supplies, setback could quickly reassert to hold off enough supplies for urge upwards has been This has been particularly rency hedging, possibly forced However, the safeguards protine squeeze on supplies. by supply shortages at true of the cocoa futures marup prices faster than justified vided by the agreement may The coffee market

Sugar agreement

in the steep rise in for the fact that your horse sustain a strong selling policy existing pact provides an exist. Supplies from the market and how much of this was stockis brought very volatile failed to win. Like several and to make sure that the full ing formula to use. What disregarding the agreement piling by consumers against us and violent fluctua- other leading manufacturers extent of the lower value of the amerges from Geneva, and the quota and "trigger." price currency fears and inflation. U.S. dollar and sterling were negotiations in Brussels over levels. As a result the consu- Certainly, the higher interest Much depends on the size of sugar sales to the EEC, are so in continuing in the agreement turn in values at a time, howthe forthcoming West African important for the futures mar. If producers acted unliaterally, ever, when consumption is

Meanwhile a new influence in ceeding new production for consumer stocks to lower levels widely predicted, and therefore the future of the market could several years. This is the and prevent surplus supplies a lessening in demand for the International Cocoa reason why prices are still at from undermining agreed "mini. rubber as industrial activity Agreement, with its complicated such historically high levels, mum price levels.

Continued on next page.

It can be claimed that specu- at present of building up a they should be, and any crop sufficient financial resources

years, but with no provisions for price ranges and export quotas

The International Sugar this means a return to free to control supplies. In effect

the future of Commonwealth mers said there was no point rates have brought a down-

turning downwards, although At the moment, however, which have reduced world the main consuming countries. rather slower than expected, sugar supplies worldwide re- supplies to a low level, the but it will need sizeable crops main in short supply, with producers have managed to whether this autumn or early to bring world stocks back up world stocks at a very low level establish control themselves, next year will see a downturn again to satisfactory levels, as a result of consumption ex- Plans are in hand to reduce in the U.S. economy, as is being

long enough. The next few

has years promise to be extremely of buoyant demand, and ket. The announcement of a by the supply-demand situation. encourage producing countries entered a new era following the interesting, with much depend-

Adequate stocks

Natural rubber prices have This breakdown in the agree- result of the recovery in industrade pacts, is currently being ment resulted from the failure trial activity creating strong renegotiated in Geneva since of producing and consuming demand. So strong was demand the activities accomment expires rulators, have been a prices for some time.

hand rose sharply as industrial the existing agreement expires

But the fault for these exactivity recovered, encouraged at the end of the year. The countries to resolve their differences over adjusting prices stocks built up by the Malay
good sense to buy in the market, which showed its prices. Despite the move to soft certain knowledge strength by the ability to higher levels consumption has that many people doubt whether main producing countries decid-shrugged off increased sales.

hand rose sharply as industrial the existing agreement expires to resolve their differences over adjusting prices stocks built up by the Malay
following the first U.S. dollar sian Government when the that many people doubt whether devaluation. This led to the market was depressed and increased sales.

The countries to resolve their differences over adjusting prices stocks built up by the Malay
following the first U.S. dollar sian Government when the that many people doubt whether devaluation. This led to the market was depressed and increased sales. commodity in question absorb two such sudden blows remained remarkably strong. In several such a good deal with little apparent effect. It is these circumstances cocca prosessive from so many conflict. It is the steam rise in for the fact that your horse such sudden blows remained remarkably strong. In an effective agreement can be resolved from so many conflict. It is to take the situation into from the situation into from the situation into from the market and how much of this was stock.

Continued on next page.

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ew markets ombere futures

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vegutable oil market to the Sydney market.

oil is to start shortly, Only the home-grown barley nould help stimulate and wheat futures markets have

market for arabica European

got off to a promising fluctuations. tea futures market is er consideration and moves afoot to conexisting rubber ter- dependent

soya oil than Britain so far.
a far greater user of Britain's entry into the

ging facilities

'nt example was pro- —one of the most successful the U.S. Government and Florida orange juice.

markets tend to move well and open up a whole new no direction and there area of expansion.

irt of three new futures burst of enthusiasm; the soyahas coincided with the bean oil market has only just he commodity markets been revived after being forced Corn Exchange. The to close through an absence oil futures market has of trading activity. Several ived in the hopes that changes of contract, including eccasion it will attract the introduction of a greasy terest and achieve a contract, have failed to revive y high turnover to pro- interest in wool futures trading European trade with and the centre of activity in hedging facility, wool futures has now passed

n both markets and managed to survive among lead to a general recent introductions, and there ering oilseed products must be doubts about their largely interchange future viability in view of Britain's Market Common e has also been started theoretically at least stabilising ment the existing con- grain prices and lessening the ed on Robusta coffee need to hedge against price

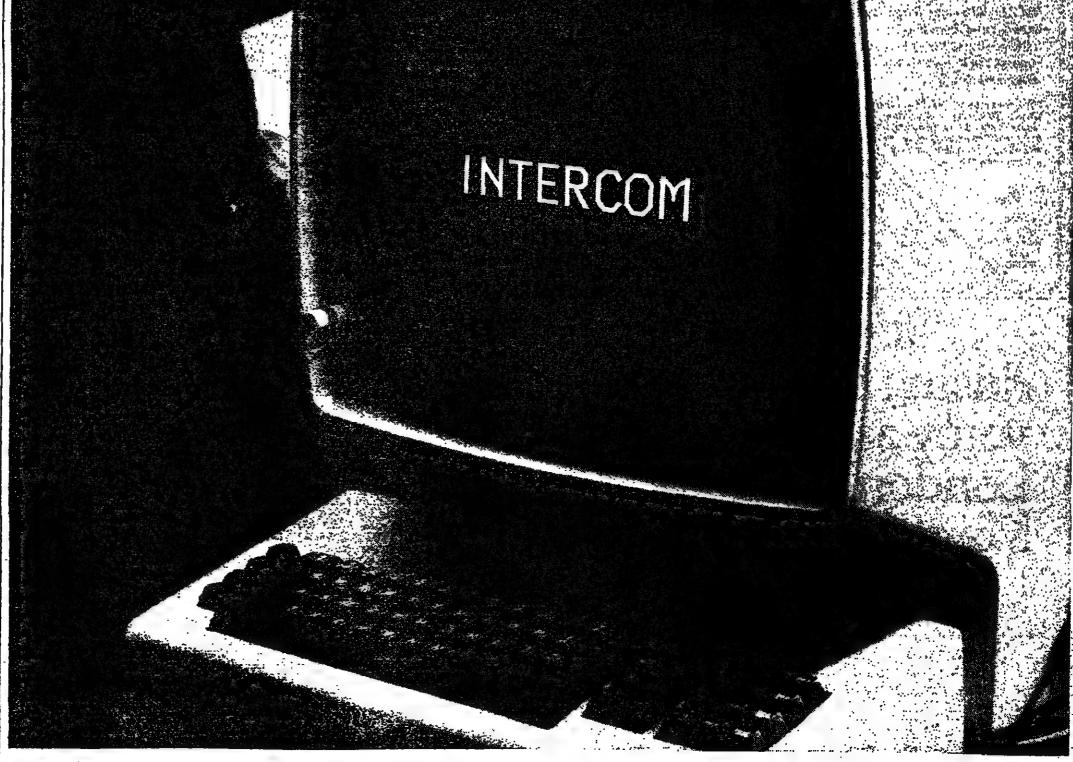
Difficult problem

So far, it is the markets Continental arket into an "open support, without sufficient U.K. interest to keep them going, markets for sova-that have failed. It is a difficult and arabica coffee will problem. The U.S. dollar, des dependent on support pite its recent tribulations, is rases, particularly the the main currency used for to have much chance international trading in com-They are both traded modities and is, therefore, the dollar prices, which natural currency for use in the shuts off speculative futures markets. However, as from U.K. residents explained, a dollar contract raders with special excludes support from U.K. ingland permission are speculators because of currency trade in foreign cur control restrictions, and withsame time the main lators, initially at least, it is in the physical com- difficult for a new market to nd therefore the major achieve sufficient volume to hedging facilities, is provide effective hedging a the Continent, which facilities. It is a vicious circle lives to the continent, which facilities is a vicious circle. re dependent on soys no one has managed to break

coffee. Britain uses Common Market may provide obusta coffee in the new opportunities, bearing in blends that dominate mind that the enlarged EEC e in what is still Community, should provide one a tea-drinking nation, of the largest domestic markets on for the new arabica in the world sufficient to planned from a new sustain futures markets of its own without outside support. The main scope appears to be for farm products, not conmarkets for soyabean trolled by the Common Agriculrablea coffee already tural Policy—such as eggs. ie U.S. in Chicago and potatoes, brollers, bacon, animal respectively, so hedge freedingstuffs and vegetable oils bes are already avail- and meals. But the potential ever, the U.S. markets list of possibilities is much swayed by domestic wider, judging by the U.S. that might have a example, where there are different impact in futures markets for diverse products as pork bellies

to-restrict exports of Perhaps the most exciting products. This was possibility, however, is the depressing for Chicago suggested chemical futures marices, but pushed values kets to which imperial Chemical w U.S. to much higher Industries have given serious that case, therefore, thought and attention. It is opean oil - crusher recognised that a futures market nithe Chicago futures might have done a lot to even rould have received out the price fluctuations of from at all against price recent years and provided manu-As, since the futures facturers with protection against sical markets were losses suffered. The introduction in totally apposite of a futures market for

al opportunities for Certainly, if London is going selling in another— the main commodity trading whove out of line; centre in Europe it will have ent years the London to be prepared to risk a few I markets have had a more failures in the necessary and in starting new sourch for widening the useful patracts. Cotton and ness and influences of its comfailed to establish modity markets by establishing despite an initial successful new contracts.



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Good News

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raising the roof when you're asked to get the

London Commodity

Market into the Corn

Exchange"

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consider when accommodating both businesses

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was still a need to increase the floor area by

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surrounding buildings were too great, but there

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have been added together with a mezzanine

floor, and new food and drink bars and

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COMMODITIES IV

Growing interest in options trading

By JOHN EDWARDS

was trading.

cers, or large consumers with sound base.

emselves and hoping they wildly fluctuating values. ould be able to match them The buyer (or taker) basic-tons on the futures market being removed.

The violent fluctuations in up or use the premium money ally purchases an option to buy knowing full well that if the

mmodity trading mushroomed stocks or sell ahead with a use- option). such an extent that it en-ful premium added. On balance uraged the growth of dubious the premium money, if pitched d unsafe practices that led to at the right level, should give reral fraudulent scandals and the grantor adequate reward

Far steadier of the steep rise in the cost sell at an agreed date and price. favour if he purchases a "call"

In Britain, however, the of carrying stocks.

This option can be exercised at option at the lower forward control in option trading has for trade or private specula, any time up to the agreed date, price level, can far steadier and more tors in commodity markets if the market has moved in the Variations on the options are steadier and more tors in commodity markets right direction. If it has the stead of the ste andly based. The main diffi- option trading is particularly right direction. If it hasn't, the theme, and the way they can

amodity prices have greatly to make sufficient profits on the a specified quantity of the worst comes to the worst be reased interest in the futures markets. Not surpris- commodity at an agreed date can always cancel the sale by afest" way to trade, without ingly this failed to work and and price (known as a call exercising the buy option. How king heavy losses, through incalculable harm was done to option) when he considers ever, if the market does fail tions. Indeed, at one stage the image of commodity option prices are going to rise sufficiently for a useful profit and he can subsequently sell to he made, he can take the scribed almost as a licence to There are sound advantages at a profit. When prices are profit and still have the option

int meney, since the pre- for grantors, especially those expected to fall the buyer pur- outstanding to back his original ums were pitched at levels with recourse to surplus sup-chases the right to sell a speci- prediction that values would r too low for the risks. In the plies. In effect the grantor can fied quantity at an agreed date rise.

S. enthusiasm for options in use options to help finance and price (known as a put Options can also be used to

Loss confined

ought the whole idea into had for taking the risk. High in-costing roughly twice the is at a large premium (a backterest rates should add to the amount of a put or call, gives wardation) the price will be attractions of granting in view the buyer the right to buy or working automatically in his

work properly. So far pro- market using the option as a option to buy or sell as the the size of premiums being plus stocks in hand, are in. The biggest danger to the further direct operations on the being adjusted constantly in main generally badly in-buyer of options is that the futures market, knowing that line with price movements in med about the advantages in market prices will stagnate and the option can be exercised if the markets and demand from anting options, not move much either up or things go wrong. Thus if the takers. Nevertheless, option In the U.S. the difficulty in down. In that case the premium right to buy 50 tons of cocoa has trading does offer at any time ding granters was overcome is an extra loss, so options work been hought with a call option a way of trading in the comdealers taking on the task most successfully in times of and the market starts to go modity markets with a large

HOW THEY PERFORM

1973 1972 1971 1970 1973 1972 1971 1970

% rise or fall

+ 2.9 +41.1 +37.6 +11.1

+ 0.8 + 31.7 + 36.6 + 3.6

- 3.4 +46.1 +28.8 - 5.3

-6.7 + 24.2 + 5.7 - 19.4

-12.6 +24.6 +15.3 -12.8 36 38 96

Source: G. S. Herbert and Sons.

- 3.6 (launched in January) - - - -

-1.7 + 32.3 + 40.0

- 4.3 +27.3 +17.2

-1L8 +44.6 +34.0

take advantage of situations where the nearby, or spot price, is either at a large discount or large premium to the forward A double option, usually months. If the spot quotation

the main dim-option trading is particularly buyer simply does not take up be used to advantage, are continuous, since granting an losses can be limited to a the option and his loss is considerable. Their usefulness depends on the individual's circumstiderable research. eds considerable resources or rewards can be increased sub- However, during the option cumstances, the state of the pertise if the whole system is stantially by "jobbing" the period the buyer can use the markets at a given time, and backstop on which to base charged. The premiums are down, the trader can sell 30 element of the unknown risk

percentile ranking

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Commodities trusts make the running

By ROY LEVINE

made the running this year have accompanying table puts the been those investing in Europe matter in perspective. It highor commodity shares.

Management shows that five of ence to the view that, as a rule, the top ten performers over the these funds are not necessarily Drayton past six months are commodity for long-term investors. funds. Of these, the top performer has been Drayton Commodity with a 20.4 per cent. appreciation if not income is invited you can get the timing Britannia funds. Of these, the top per-

table are Britannia Commodity be made. But these trusts Jessel Plus (up 13.9 per cent.). Ebor should be traded rather than Plantations ity (up 12.1 per cent.), held as long-term investments. Jessel Plantation (up 11.6 per cent.) and Vavasseur Inter. for 1973 between the table and national Mining tup 11.6 per the figures from Money Manage-

sidering the strong upward poor offtake for some of the moves in most commodity prices funds earlier this year. until recently, resulting from the world-wide industrial boom and feature about these funds is Commodity currency movements. Those that they provide high income. trends are a strong contrast to That is weak lavestment sentiment in depressed times when the high London and hence poor per- yields on commodity shares Ebor Energy formances by unit trusts with U.K. share portfolios.

The unit trusts that have However, a glance at the lights the volatility of com- Fund The latest edition of Money modity trusts and lends cred-

vided you can get the timing At the lower end of this short right, there are large profits to

Differences in growth rates Ebor Comma. ment largely reflect different Resources This is not surprising con- methods of calculation and a Allied Metals Jascot N. Sea

> Another often misunderstood Jascot usually true and Energy reflect the higher risk-reward ratio. But as capital performance grows, the yield on a portof such shares diminished. And in most cases the fund managers do not have tection afforded in a spread shares for commodity funds inas their main objective the portfolio of 60-odd stocks. maintenance of a higher than

average yield on the portfolio. Average yield

Ali-Share index.

a yield of 5 per cent. But the land. Drayton Income fund provides Many of these companies in 5.4 per cent. Similarly, Ebor Malaysia have also gained after a 77.3 per cent. apprecia-Commodity gives 4.5 per cent., status but Ebor High Return offers 5.5 economic expansion in the

Jascot Commodity, which yields 10 per cent, in real terms. quality of stocks selected. His the rubber shares. defence, he adds, is in the pro- The other main categories of least-

Vavasseur Oil

At the moment, for instance, through re-rating, Many of the a rough average yield on the rubber companies in the Far metal shares, too, have a large funds is around 4 per cent. East have valuable land hold, exposure in most portfolios and which is almost the same as ings which are being disposed the latest vogue is oil stocks. the yield on the F.T. Actuaries of at premium rates for development. Acreage, mean-Drayton Commodity, one of while, is being replaced with performance of Jessel's Gold the most successful, now offers less expensive but equally viable

from country where Gross National The exception in the list is Product is growing at around ranked 98.

6.4 per cent. But, unlike most Of course, the strong re- the past two years, and taking

clude tea shares, tin and over-As for the portfolios, the seas trading concerns (whose general theme is high exposure profit margins have not, been to rubber companies which have subject to Phase Two regulabeen special situations and tions to the same extent as U.K. exceptional growth companies trading on the domestic market). Mining and The cyclical nature of the shares is reflected in the recent and General Trust which has declined by 11.3 per cent, in 1973 (ranking it 27 in the G. S. Herbert percentile table)

accelerating tion last year that put it at a nation in the top of the tables. Before that, in 1971, this fund was Having had strong rises over

fund managers in this category, covery in the price of rubber- into account a possible levelling Fred Lawson of Jascot aims which has risen from around off in world industrial activity, unashamedly for high income L2p a kilo to 34p a kilo over the it may perhaps be prudent for even though he admits there past 12 months—is the main unitholders to take profits in could be some compromise in factor behind the strength of commodity trusts and invest elsewhere, for the moment at

CONTINUED FROM PREVIOUS PAGE

Price rises

of petrulcum.

increase this month in the price wheat and beef.

stackens. However a new firming going up by as much as 400 per encouraged, a general rush by influence for natural rubber is cent, in the space of a year, the the Japanese into raw materials. that the world "energy" short- market has now settled down Supply shortages and higher age, has already started to affect at rather lower levels than the prices are blunting competition expansion—of synthetic rubber, peak reached earlier this year, from synthetic fibres, and as a

which is basically a by-product Wool production is far from "natural" fibre wool is retainbuoyant, with Australian ing a good deal of consumer

The rising price of oil, and farmers being attracted by the loyalty in countries like the other costs, has meant another higher returns available from U.S. and Japan, where the publie is very environment conof U.K. synthetic rubber and But the very high price levels sclous and favours natural progenerally it is expected that inevitably raised the bogey of ducts as a result. The signs competition from its synthetic competition from synthetic are, therefore, that although the rotal will be much less pressing tibres and consumers appear to high prices brought a general on natural rubber than in the he well stocked with woul at move away from wool, the present. Certainly the Japanese impact has been far less than After a spectacular rise in are not the eager buyers they in the past and supplies are cool, with the price of woottops were, when currency hedging still far from plentiful.

London, Gravesend, Maidstone, Newport (alon), Truro

Broking on the London Metal Exchange Rudolf Wolff & Co. Ltd Knolly's House, 11 Byward Street, London E Tel: 01-626 8765 Telex: 885034 Cables: Occasion London

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COMPACT REFERENCE TO TRENDS IN INDUSTRY

In the bully **WEEK'S FINANCIAL DIARY**

re following is a record of the principal business and financial ments during the week. The Board meetings are mainly purpose of considering dividends and official indications at available whether dividends concerned are interims or the sub-division shown below is based mainly on last time-table.

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Warren Rubber Higes, 1.05e
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Wattilines 0.1725e
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SATURDAY, SEPTEMBER 28

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Net Survision 449.5; +250.1; terror las 179.5; - 160.2

+175.3;

♦ Estimates for 31 weeks.

† Defence Bonds paid off on maturity.

• Includes. £1.7m. National Development Bonds paid off on maturity.

• Including \$11.7m. National Development Bonds paid off on maturity.

• Includes £1.7m. British Savings Bonds and off an maturity.

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INTERIM STATEMENT

Hall Engineering (Holdings) Limited



Interim Dividend on Ordinary Shares

The unaudited results of the Group for the six months ended 30th June,

1973 £000's	1972 £000's	1972 £000's
17,570 1,530 690	11,684 980 400	12,716 1,198 507
32 (net	;) 46 (gro	88) 46 (gross)
808	534	645
9.8p	6.1p	7.6p
8.9p Divi 2.310p (3.300p gro	3.000p(gro	
	2000's 17,570 1,530 690 32 (net 808 9.8p 8.9p	2000's £000's 17,570 11,884 1,530 980 690 400 32 (net) 46 (gro 808 534 9.8p 6.1p Dividends per Ordi

The Directors have declared an interim dividend of 2.310p per Ordinary Share which will be paid without deduction of income tax on 9th November, 1973 to share-holders on the Register at the close of business on 5th October, 1973. In declaring this increased dividend the Directors have taken into account the

restrictions imposed by the Government's present Cornter Inflation Policy. The record level of trading activity is continuing into the second fair of the year, the results of which are confidently expected to show further improvement in profitability.

ABERCOM **NVESTMENTS LIMITED**

CHAIRMAN'S STATEMENT

RESULTS

he results for the year to 30th June 1973 have again in all previous records. It is particularly pleasing that increase in pretax profits has been achieved in a year g which there have been no acquisitions and therefore t has been consequent upon improvements in the under-companies themselves.

BLACK AND COLOURED WAGES

n my interim statement issued in February 1973. I set early the Abercom policy on Black and Coloured wages uth Africa. To reiterate in brief, our aim is to improve t in a continuous and productive manner and we have irselves the task of increasing them at a rate of at least ies the rate of increase in the Consumer Price Index. I roud to be able to report that our progress has been rapid than the target we had set.

	Consumer Price Index	Average Weekly Wage (Black)	Auto Auto Barri Barri
	April '70	June '72	Bass
	=100	= 100	2 A 511 2 C
1972	112.2	100	Bop
aber 1972	117.4	114.5	Bot
1973	. 123.4	142.0	3119
crease over 12 months	10%	42%	
used attention is being	given to the o	uestion of fringe	34
its and social security			Brit
and Coloured workers.			点

Abercom

HARE-DEALING AND INVESTMENT ACTIVITY he Group has continued to expand its holdings in d shares, particularly those listed on the Johannesburg Exchange. At this stage, the total portfolio exceeds illion in value and stands at a premium over its Profits realised during the year amounted to approxi-y Ri million and there was a considerable growth in and income. Over a period of twelve months, a holding een built up in the gold share market, which accounts pout 25% of the portfolio value.

PROPOSED MARLEY ACQUISITION uring July 1978, announcements were made concerning roposed acquisitions by Abercom of the business of y (SA) and by Rho-Abercom of the business of Marley

transactions, involving a total of some R11 million, negotiated as a "package" and were subject to the val of the various shareholders and also the authorities 'ed. Consent to the acquisitions was obtained from all authorities excepting the Bank of England, which d to approve the Rho-Abercom-Marley Rhodesia agree-As a consequence, and with regret, the entire proposal tere and in Rhodesia has been allowed to lapse and an incement to this effect was released on 31st August

PROSPECTS FOR THE YEAR AHEAD

t looks as though 1974 is going to be a year of labour saterial shortages in almost all aspects of the industrial in South Africa.

ter books are growing longer but I expect that it will flicult to translate all of this extra demand into actual For Abercom as a whole, I feel confident that we will le to increase our earnings by a further 25% this year. lividend distribution may be increased by more than s the percentage of franked income in the total earnings

MURRAY McLEAN

s of the above Statement, and of the annual report for ar ended 30th June 1973, can be obtained from Oakfield. trars. Oakfield House, Perrymount Road, Kaywards L Sussex RH16 3BY.

BOWATER



'Interim Results Fulfil Forecast...' Lord Erroll of Hale

"The results for the first six mouths of 1973 are a practical demonstration of the strength of the enlarged Bowaler Organisation and fulfil the forecast I made in my Ammal Statement that 1973 would signal the commencement of a period of broadly based and sustained growth of your company."

> The report covers the first completed half-year of The Bowater Corporation Limited since the merger in late 1972 with Ralli International Limited. I am pleased to be able to record a profit before taxation of £20 I million, which represents an improvement of 91% over the combined results of the two companies for the first half of last year. For convenience of comparison, this report reproduces the corresponding

interim results of The Bowater Corporation Limited interim results of 1 he Bowater Corporation Limited and of Ralti International Limited as separately published for the six months to 30th June 1972. Earnings attributable to ordinary shareholders for the half-year are equivalent to 7-5p per share compared with 10-1p per share for the whole of 1972. This improvement has been broadly based and all four divisions of the Organisation have contributed to the increase.

Year to 31.12.72		Six months to 30th June 1973 1972				
Group		Group	Bowater	Rall		
£m		£m	£m	£m		
26-5	Group profit before taxation	20-1	6-9	3.6		
12-6	Taxation	9.8	3:7	1-3		
13-9	Profit after taxation	10-3	3.2	2-3		
3-7	Minority interests	2-3	1-0	-5		
10-2	Profit attributable to members of the Corporation	8-0	2-2	1-8		
-4	Preference dividend	-2	·2	_		
9:8	Profit attributable to ordinary shareholders	7-8	2-0	1-8		
10-1p	Earnings per ordinary share	7-5p				

Dividend

The Board has decided to pay an interim dividend of 2-1p per £1 ordinary share, absorbing £2-2m (which, with the associated tax credit, is equivalent to 3p per share under the former system of taxation) and this will be paid on 7th November 1973 to shareholders of record on 1st October 1973.

Copies of the Interim Report can be obtained from the Secretary, The Bowster Corporation Limited, Bowster House, Knightsbridge, London SW1X 7LR

TOTAL Compagnie Française des Pétroles

Société Anonyme

praised in France with Bushed Habitity and registered in Parie, No. 548 5118)

SHARE CAPITAL 100,745 "A" shares of F.50 each 21,273,059 "B" shares of F.50 each

By a resolution of the shareholders passed on 23rd June, 1972, the Board was authorised to increase the issued share capital to F.2.090,000,000, such authority expiring five years from the date of the resolution. The designation of any shares issued pursuant to this resolution as "A" or "B" shares is subject to the provisions of the agreement with the French State referred to above and the Statutes of C.F.P.

INDEBTEDNESS

At 30th June, 1973, the TOTAL Group had outstanding long-term loan capital of F.4,220,896,000 (of which F.1,430,455,000 was secured), short term loans amounting to F.1,983,712,000, bills payable amounting to F.117,702,000, bills discounted amounting to F.176,652,000, bank overdrafts of F.501,507,000, hire purchase commitments amounting to F.21,152,000 and contingent liabilities amounting to F.1,454,360,000. Since 30th June, 1973, there has been no imaginal change in the indebtedness of the TOTAL Group except that it has arranged additional borrowings amounting to F.145,200,000. Save as herein membered and except for guarantees given in the ordinary course of business and disregarding intra-group indebtedness the TOTAL Group did not have outstanding at that date any bank overdrafts or other similar indebtedness, liabilities under acceptances (other than normal trade bills) of acceptance credits, mortgages, charges,

DIRECTORS

Consell d'Administration *Victor de METZ (*Président d'Honneur)* , 45, avenus Victor -Hugo, 75016 Paris

René GRANIER de LILLIAC (Président-Directeur Général) 71, rue Perronet, 92200 Neuilly-sur-Seine

Etienne DALEMONT (Directeur de la Compagnie) 9, Square du Roule, 92200 Neuilly-sur-Seine

Richard BAUMGARTNER (Président du Groupement Atomique Alsecienne Atlentique)

Wilfrid BAUMGARTNER (President d'Honneur de Rhône-Poulenc, S.A.) 98, rue de Grenelle, 75007 Paris

Stéphane DESMARAIS (Président-Directeur Général de Sodechimie S.A.)

2, rue Georges Leygues, 75016 Paris Jacques de FOUCHIER *(Président-Directeur Général de la Banque de Paris et des Pays-Bas)* 226, rue de Rivoli, 75001 Paris

Jacques GEORGES-PICOT (Président d'Honneur de la Compagnie Financière de Suez)

Pierre GUILLAUMAT (Président de l'Entreprise de Recherches et d'Activités Pétrollères, Président de la Société Nationale des Pétroles d'Aquitaine)

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'Emmanuel LAMY (Président-Directeur Général de la Banque de l'Union Parisienne) 28, Boulevard de la Saussaye, 92200 Neulily-sur-Saine

André PILLIARD (Président-Directeur Générale de la Compagnie Auxiliaire de Navigation) 8, rue de l'Alboni, 75016 Paris

Jean REYRE (Administrateur de la Banque de Paris et dos Pays-Bas) 96, avenue de Suffren, 75007 Paris

COMMISSAIRES DU GOUVERNEMENT

*Daniel DOMMEL (Inspecteur Général des Finances) Ministère de l'Economie et des Finances 93, rue de Rivoli, 75001 Paris

*Michel VAILLAUD (Directeur des Carburants) Ministère du Développement industriel et Scientifique, 3-5, rue Barbet de Jouy, 75007 Paris

MANAGEMENT

Direction Générale René GRANIER de LILLIAC (Président-Directeur Général)
 Etienne DALEMONT (Directeur de la Compagnia) Jacques BENEZIT (Directeur de la Compagni Frédéric BERBIGIER (Directour de la Compagn Vincent LABOURET (Secrétaire Général de la Compagnie)

Luc BERGEAUD (Group Personnel and Administration)
Jean DUROC-DANNER (Middle East)
Philippe FERNET (Supply, Sales and Shipping)
Joseph-Camille GENTON (Group Finance) Pierre GERMES (Exploration and Pro Raymond LABBE (Refining and Distribution outside France)

•Member of the Advisory Committee.

All the above are French offizers

es to the Introduction
and BANQUE DE SUEZ (U.K.) LIMITED, MORGAN GRENFELL'& CO. LIMITED. and BANQUE DE SUEZ (U.K.) LIMITED.

23, Great Winchester Street, London EC2P 2AX 54; New Broad Street, London EC2M 1JL Registered and Head Office of the Company:

Stockbrokers in the United Kingdom

CAZENOVE & CO., 12, Tokenhouse Yard, London EC2R 7AN and The Stock Exchange

Stockbrokers to Paris: RONDELEUX, OUDART ET CIE, 20, rue Drougt, 75009 Paris Solicitors in the United Kingdom: * DENTON, HALL & BURGIN, 3, Grays Intr Place, London WC1 R 5EA

Commissaires aux Comptes : FERDINAND ANGLEYS (Expert Comptable), 42, rue du Louvre, 75001 Peris MARCEL: NEVEUX (Expert Financier), 95, rue de Lille, 75007 Peris (Until his death on 22nd July, 1973)

Commisseire aux Comptes Suppleant:

JACQUES FRINAULT (Expert Compteble), 20, evenue Jules Janin, 75016 Paris

Joint Reporting Accountants: FERDINAND ANGLEYS (Expert Comptable, member of the Compagnie Régionale des Co. raptes de Paris, partner in Angleys, Blirid et Cle, and Auditor authorised by the Department of Trade and Industry under s.161, Companies Act 1948) HESKETH HARDY HIRSHFIELD & CO., (Chartered Accountants). Norwich House, 13, Southampton Place, London WC1 A 2AR

> Transfer Office BANQUE DE PARIS ET DES PAYS-BAS; 3, rue d'Antin, 75002 Paris

HISTORY AND BUSINESS

COMPAGNIE FRANCAISE DES PÉTROLES ("C.F.P.") was founded on the Initiative of the French Government in March 1924 by a syndicate of industrialists and financiers as an oil exploration and production company. In May 1924 it entered into an agreement with the French State ("the 1924 Convention") under which it was authorised in accordance with Article 7 of the San Remo Agreement of 24th April, 1920 to acquire the former German shares which constituted the French State's Interest in the capital of Iraq Petroleum Company Limited ("IPC") then called Turkish Petroleum Co. Limited.

IPC made its first oil strike in August 1927 at Baba Gurgur near Kirkuk and in 1928 an agreement was concluded between the shareholders of IPC under which C.F.P. was granted (Inter alle) a right

to cost oil (see paragraph 14 (viii) of "General Information" below) pro rate to its 23.75 per cent. In 1930 C.F.P. entered into a second agreement with the French State ("the 1930 Convention") under which, in addition to a profit sharing scheme between C.F.P. and the French State set out in the

1924 Convention in respect of the IPC investment, the State took up a 25 per cent. equity interest (later increased to its present 35 per cent. Interest) in C.F.P. Subject to the terms of the above Conventions and the Statutes (further information in respect of which appears in "General Information") C.F.P. is entirely independent of government control and is run in accordance with the lews and regulations generally applicable to commercial companies.

The TOTAL Group

Since the first production in Iraq, C.F.P. has consolidated its position as a producer and has Since the first production in Iraq, C.F.P. has consolidated its position as a producer and has developed new activities and now ranks amongst the major international oil groups, being in eighth position in the Western world in production, and in ninth position in refining and marketing. It has become involved in all sectors of the petroleum industry and is now the holding company of a fully integrated multinational group generally known as "TOTAL", a brand name introduced in 1954. The TOTAL Group comprises close to 200 companies employing over 25,000 people throughout the world. In 1972 its consolidated sales (excluding duties and taxes) exceeded F.14,000 million, largely representing the products of 70 million tonnes of crude oil production of which 82 million tonnes were produced by the TOTAL Group itself.

The TOTAL Group's ending and marketing operations in France are carried out by 8 54.71 per

The TOTAL Group's refining and marketing operations in France are cerried out by a 54,71 per cent. owned subsidiary of C.F.P., Compagnie Française de Reffinage ("CFR") which was formed in 1929 to construct and operate two refineries in France, and whose shares are flated on the Paris

1. Exploration

The TOTAL Group's exploration programme is carried out by subsidieries or associated companies either alone or in conjunction with others. This exploration programme has resulted in commercial discoveries in the North Sea. Tunisis, Indonesia, Canada and the U.S.A.

discovenes in the Ivorth Sea, Hunsis, Indonesia, Canada and the U.S.A.

At the end of 1972 the gross area covered by exploration licences in which C.F.P. perticipated was almost 1,200,000 square kilometres widely apread throughout the world (including Western Europe (mainly in the North Sea), Africa the Middle East, the Fer East (mainly in Indonesia), South America, the U.S.A., and Canada) of which 31 per cent, is in marine blocks. The corresponding net interest of the TOTAL Group amounted to 336.385 square kilometres. TOTAL Group companies acted as operators on 391.000 square kilometres.

In the offshore waters of Norway, The Netherlands and the United Kingdom the TOTAL Group participates to the extent of approximately 30 per cent, with ELF/Enterprise de Recherches et d'Activitiés Pétrolières ("ELF/ERAP"), which is owned by the French State, and Société Nationale d'Activities retroileres ("ELF/EKAP"), which is owned by the French State, and Sodete Nationals des Pétroles d'Aquitaine"), a publicly quoted company which is 52.7 per cent. owned by ELF/ERAP, in a group known as the "French Group". In the United Kingdom waters a TOTAL Group company, TOTAL Oil Marine Limited, is the operator.

C.F.P. is also a shareholder in a number of oil companies which carry out continuing exploration.

work in the Middle East. During the past ten years the Iranian Oil Consortium, in which the TOTAL Group holds a 8 per cent. Interest, has made productive strikes in Kharg Island and in Luristan, and Abu Dhabi Petroleum Company Limited, in which it has a 23.75 per cent. Interest, discovered the Bu-Hasa field in the Emirate of Abu Dhabi.

Offshore, the TOTAL Group owns one third of Abu Dhabi Marine Areas Limited which recorded a large increase in its potential reserves on the discovery of Zakum field in 1963 and owns 50 per cent. of Dubai Marine Areas Limited which has a 50 per cent. interest in the Fateh field, discovered in 1966.

2. Production

The following is a geographical analysis of the TOTAL Group's oil production in 1972;—

Middle East 11.5 North Africa North Sea and other areas 100.0

0.1

Whereas between 1960 and 1970 world production doubled, that of the TOTAL Group trabled. As a result of the problems ansing from the partial nationalisation in lead the TOTAL Group's increase of es a result of the property and the period of the control of the c ing increase in crude oil is expected to be of the order of 7 per cent. Thereafter production should

ontinue to increase due to further development of existing fields.

The TOTAL Group's oil reserves are contained in some 40 fields, mostly in the Middle East but also in North Africa (Algeria and Tunisia) and Canada. It also has a 4 per cent, interest in the Ekofisk

In 1972 the TOTAL Group's production of natural gas came from Australia (70.3 per cent.), Canada (8.2 per cent.) and The Netherlands (21.5 per cent.).
In The Netherlands the TOTAL Group has a 30 per cent. share in the Leauwarden gas field, from

which deliveries to Gaz de France began in October 1970 and reached 61 million cubic metres in that year, 270 million cubic metres in 1971, and 368 million cubic metres in 1972. Also in The Netherlands the TOTAL Group has a 22 per cent, interest in the Zuidwal field, which is scheduled to come into production in 1975 and from which deliveries are expected to be substantial.

The TOTAL Group is also active in the North Sea and the Middle East which have both proved to be large sources of natural gas and has, on average, an interest of approximately 25 per cent in the Frigg gas field, which is about 200 kilometres east of the Shedands and is partly in British and partly in Norwegian waters. Subject to final ratification, arrangements have been made for the sale of the entire production of this field to the British Gas Corporation. Present Indications are that this field may prove to be among the largest in Western Europe.

In Abu Dhabi the TOTAL Group and others have entered into a twenty year contract with Japanese interests for the production and sale of liquefied natural gas and deliveries to Japan are expected to begin in 1976 at an annual rate of 3 million tonnes.

Development Expenditure Exploration and development costs for oil and natural gas currently account for over a quarter of the TOTAL Group's annual capital expenditure, and in 1973 are estimated to amount to approximately

The TOTAL Group, spart from using pipelines when geographical or economic conditions require it, has built and operates a tanker fleet, which satisfies most of its marine transport requirements.

in June, 1973 the TOTAL Group's fleet had an aggregate desdweight transage of approximately 2,623,000 tons. This tonnage includes the ships of the Compagnie Navale des Pétroles ("CNP"), a subsidiary of C.F.P. founded in 1931, and those of the Compagnie Audiliare de Navigation ("CAN"), a publicly quoted company, which is 24 per cent, dwned by the TOTAL Group and whose vessele are

a publicly quoted company, which is 24 per cent, dwned by the TUTAL Group and whose vessels are chartered on a long term basis to the TUTAL Group.

CNP owns and operates 14 ships, with a total deadweight tonnage of approximately 1,940,000 tons, including five supertarikers, the most recent of which, "Turquoise" (260,000 tons) and "Sephir" (280,000 tons), came into commission in 1873. By mid-1875 CNP and CAN each expect to take delivery of two further supertankers, bringing the total deadweight tonnage of the TOTAL Group's fleet to approximately 3,670,000 tons. These vessels incorporate the latest technological stivances in order to optimise economic operation and to improve the crews' working conditions.

4. Refining

The TOTAL Group's refinery potential has been increased in line with its crude oil resources. At present the TOTAL Group has an overall annual refining capacity of simost 57 million tonnes at 25 refineries, some controlled by subsidiaries, others by compenies of which the TOTAL Group is a shareholder with processing rights. Twelve of these refineries are situated in Europe, eight in Africa, two in the Middle East, one in Australia, one in the U.S.A. and one in the Franch Antilies.

A refinery with an ennual capacity of 6.5 million tonnes, which is expected to be completed in 1874 is under construction at Flushing in The Netherlands. The TOTAL Group also has plane for increasing the capacity of certain of its refinences in Italy and Africa and for the construction of two new units in France, the first of which, situated near Dunkirk, will have an annual capacity of 6 million

The TOTAL Group's retineries in France process approximately two thirds of the tomage of crude oil refined by the TOTAL Group. The first two refineries built by CFR, "Normandle" at Gonfreville, riser Le Havre and "Provence" at La Mêde, near Marseilles, have been progressively developed. The annual capacity of "Provence" is now 10.2 million tonnes, and, following the completion in 1972 of a new topping unit increasing its annual capacity by 9 million tonnes, that of "Normandie" is now 23.3 million tonnes, making it the second largest in the Western world. This refinery is the largest fubricant producing unit in France with an annual capacity of 400,000 tonnes and is also one of the largest

producers of paraffins in Europe.

The TOTAL Group now has at its disposal rafining capacity in most West European countries. In Italy it controls two rafineries, one at Trieste with an annual capacity of 2.3 million tonnes, (on which work is in progress to raise the annual capacity to 5 million tonnes), the other at Mantus with an annual capacity of 2.4 million tonnes. It also has interests in the refineries at Rome and at Villasants.

In Great Britain, the TOTAL Group, in equal shares with Petrofina, owns the Killingholme refinery on the Humber estuary near immingham. This refinery has an annual capacity of 8 million tonnes.

The majority of the TOTAL Group's petrochemical interests are held through a subsidiary, TOTAL Chimie, which was formed in 1968.

Grimie, which was formed in 1905.

On the site of the refinery "Normandie" at Gonfreville TOTAL Chimle owns, in equal shares with the ELF/ERAP-Aquitaine Group, a steam cracking plant with an annual production capacity of 320,000 tonnes of ethylene and a styrene plant with an annual capacity of 200,000 tonnes. TOTAL Chimie also owns, on the same site; an aromatic hydrocarbon plant with an annual capacity of TOTAL Chimie and the ELF/ERAP-Aquitaine Group each own 50 per cent. of ATO Chimie, which

operates its shareholders' intermediate products and plastics production plants, markets the products of these plants and promotes the use of plastics. Aquitaine TOTAL Emballage (ATO Emballage), owned by the same shareholders as ATO Chimie, promotes the use of plastics in the packaging and building The TOTAL Group also has a 33.5 per cent, interest in Compagnie Française de l'Azote, which is a

subsidiary of Pierrefitts-Auby, a publicly quoted chemical company, and which is one of the most important manufacturers of fertilizers in France.

In 1954, the TOTAL Group started marketing on an international scale under the TOTAL brand name, which has since become known in some fifty countries on five continents,

More than a quarter of the French market for motor fuels is supplied by a subsidiary of CFR. TOTAL Compagnie. Française de Distribution, through commercial distributors and some 12,000 filling stations. Distribution of heating oil is undertaken by the TOTAL network and through wholesalers. The market for liquefied petroleum gases is handled by a subsidiary, TOTALGAZ Compagnie Française des Gaz Liquéfiés."

In Italy, the subsidiary TOTAL Societa Italiana per Azieni (TOTAL S.I.p.A.) controls more than 3.000 filling stations and supplies 7 per cent. of the Italian market. In Great Britain, TOTAL Oil Great Britain Limited is expanding rapidly and now has 4 per cent. of the market in Northern England, the Midlands and Central Southern England. There are also a large number of TOTAL othlets in the Benelux countries, Western Germany, Switzerland and Austria.

In Africa, the network covers most countries, often with more than 10 per cent. of the market. The TOTAL network extends to Australia, the French Pacific Islands and the United States, where, in 1966, TOTAL became associated with a marketing company located in Michigan. In 1972, TOTAL Petroleum (North America) Ltd. sold more than 1.8 million tonnes of petroleum produ The following is a geographical analysis of the TOTAL Group's sales in 1972:-

Rest of Europe Africa ' Asia and Oceania North America 100.0

The TOTAL Group's sales of products in countries outside France have grown on average by 10.5 per cent. per annum between 1965 and 1972. Customers requiring perticular services such as shipping companies and airlines are dealt with by specialized companies. For example, Air TOTAL International provides supply and fuelling services and TOTAL aviation gasoline and jet fuels are delivered on some 100 airports in 38 countries. S.A. des Pétroles Mory, 50 par cent. owned by C.F.P., delivers fuel for ships to some 100 ports around the world.

in 1972 the TOTAL Group started to diversify its activities towards nuclear energy with an initial . objective of developing its own userstum resources. In addition TOTAL Compagnie Minière et Nücléaire S.A. has recently signed an agreement with Rössing Uranium Limited (see Material Contract III 2) to ensure supplies of uranium concentrates throughout the 1980's.

In Australia prospecting is corrently being carried out in conjunction with Ur Corporation and with the Pechinay-Ugine Kuhlmann group, while prospecting rights been acquired in Mauritania and, in conjunction with others, in South West Africa and Te. U.S.A.

8. Technology and Industrial Research
The TOTAL Goup's programme of development of new commercial products and research |
and perfection of new processes is carried out at the Gonfreville Research Centre which is me
concerned with refining and petrochemicals and basic research. The Centre is, in particular, engage
research into the problem of pollution and; for instance, methods of reducing the lead comtent of me

The land desulphurisation of residues and gas oils are being studied.

The TOTAL Group is also very active in technological and industrial research and maintaine of contact with the search departments of its suppliers of equipment and services while CNP work close co-operation with the shippards for the planning of additions to the TOTAL Group's fleet. tankers and for the construction of exploration vessels, such as the drillebip "Felicen", one of the f of its type; in which the TOTAL Group has a substantial interest. Similarly, improvements in equipm for exploration, for oil fields, for pipelines and for secondary product recovery plants are frequented as a direct result of the TOTAL Group's research programme. de as a direct result of the TOTAL Group's research programme.

At the end of 1972, the TOTAL Group had some 1,000 patents, some of which are used by ti

peries, notably the Merox process for "sweetening" gasolines now in use in some 1,000 pla

MANAGEMENT AND STAFF

M. René Granier de Lilliac (aged 53) has been associated with the TOTAL Group since 19 Président-Directeur Général since 1971 and a member of the Board since 1988. He was previous Président-Directeur Général of CFR and is assisted by four managers:—

M. Etienne Dalemont (aged 63), associated with the TOTAL Group since 1947, Directeur de Compagnia and member of the Board since 1st January, 1973, who is responsible for all the operation departments in the fields of exploration, production and transport throughout the world and for sa refining and marketing outside France;
M. Jacques Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compagnia who is responsible for economic Marches Bénézit (aged 59), Directeur de la Compag

attides and long range planning. He has been associated with the TOTAL Group since 1946;
M. Frédéric Berbigier (eged 61), Directeur de la Compagnie, who has been given special appointments, mostly in negotiations at high level in France and outside France. He has been associated with

the TOTAL Group since 1953;

M. Vincent Labouret (aged 51), Secretaire Général de la Compagnie, who is secretary to the So and responsible for relations with the Civil Service and the public. He has been associated with: FAL Group since 1963.

At the end of 1972 C.F.P. and he subsidiaries had approximately 25,000 employees, with when

enjoys good relations. Profit sharing plans were made compulsory in France in 1967 for company with more than 100 employees. Amounts distributed to employees are considered as a "share in benefits of growth" and are not taxable in the hands of the employees, while, subject to cert conditions, the company receives a tax relief equal in value to the full amount it distributes. C.F.P. a its Franch subsidiary and associated companies set up profit sharing agreements either according least obligations or which level profit imports the terminal agreements either according legal obligations or, when legal requirements do not apply, by special arrangements agreed upon by

RELATIONSHIPS WITH OIL PRODUCING COUNTRIES

Participation of oil producing countries in production requested by OPES was the subject negotiations throughout 1972 which ended in December with an Agreement in principle applicable the Gulf countries except Iran. At 1st January, 1973 these countries obtained a 25 per cent. Interest be increased by 5 per cent. every year from 1978 to 1981 and by 6 per cent. in 1982 so as to rest 51 per cent. During that time their share in the required costs and investments will be pro-it accordingly. The value of reproceded rights is determined in fine with the companies' revalued balay

sheets.

The Participation Agreement has been approved by each of the Gulf States except Kuwait whe ratification has been withheld by the Kuwait Partiament.

In Iran, talks between the Shah and the Iranian Oil Consortium representatives have led to the Iranian Partiament under which Iran is given compared to the Iranian Partiament under which Iran is given compared to the Iranian Partiament under which Iran is given compared to the Iranian Partiament under which Iran is given compared to the Iranian Partiament under which Iran is given compared to the Iranian Partiament under which Iran is given compared to the Iranian Partiament under which Iran is given compared to the Iranian Partiament under which Iranian agreement which has now been ratified by the Iranian Parliament under which Iran is given com of all producing assets in return for a long term agreement with the members of the Consortium

ire oil at favourable prices. In Iraq all outstanding disputes between Iraq and IPC and its associated companies have be settled on mutually agreed terms. utually agreed terms. ships with oil producing countries are constantly under review and meetings of OPEC:

CURRENT TRADING

The following is a translation of the text of an announcement made on 8th September, 1973 "The results of Compagnie Française des Pétroles (the Holding Company) for the first helf of 19 Turnover for the first six months has become F-2,133 million compared with F-2,064 million

the first half of 1972 showing an increase of 3.3 per cent. For the same period, tennage marketed increased from 32.16 million to 35.25 million tonnes.

The provisional balance sheet for the 30th June includes the revaluation of all the long term its ine provisional paratus sheet for the Junit June rectudes the revaluation of all the long termine affected by monetary fluctuations. This operation, which reflects the exact position arising from exchange rates which were in force at that date shows a book loss which results from the lowering certain currency exchange rates (mainly the dollar, pound stealing and Itelian line) in comparison w

certain currency exchange rates (mainly the donar, pound steming and numer that) in comparison the French franc, partly offset by the increases in other currencies.

This book loss has been charged, to a great extent, against a provision for currency losses where we created with the French franc's 1,969 devaluation, and had, by the application of the same it brought about a book profit. This provision of 190 million france has been retained in the balance shared that December 1979. The halance of this exchange loss (as at 30th June, 1973) of F.49.5 milks.

brought about a book profit. This provision of 190 million france has been retained in the balance shat 31st December, 1972. The balance of this exchange loss (as at 30th June, 1973) of F.49.5 million has been charged before arriving at the profits for the first balf year. It should be noted that the accounting effects of the exchange rate fluctuations at 30th June, 1973 have been partly offset since that do by the increase in the dollar and pound sterling exchange rates.

Taking account of this situation, provisional profit for the period amounts to 252 million francompared with 228 million france for the first half of the preceding year, an increase of 10.5 per cent." It would be unwise to forecast results of the TOTAL Group for 1973. However in the light results to date the Board feels that, in the absence of unforeseen circumstances, it should be able report 1973 to be another satisfactory year for the TOTAL Group.

It is the practice of C.F.F. to declare an annual dividend which is normally paid in or around Ju and it has always followed a dividend policy which enables shareholders to benefit from the expansion of the TOTAL Group and from increases in its profits. No change in this policy is currently contemplate.

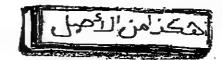
WORKING CAPITAL

The TOTAL Group's investment programme for the next two years indicates a requirement of sor F.5,000 million, which will be financed mostly out of internally generated funds and partly by externinancing the form of which will be determined in the light of market conditions.

Subject to the foregoing the Board of C.F.P. is of the opinion that the TOTAL Group has sufficie working capital for its present requirements.

La Carlo Barrello Maria Carlo Ca

And the same of th



Compagnie Française des Pétroles

JUNTANTS' REPORT

following is a copy of a report which has been received from the joint reporting account it Angleys and Hasketh Hardy Himbfield & Co.

IMPAGNIE FRANÇAISE DES PÉTROLES ORGAN GRENFELL & CO. LIMITED NOUE DE SUEZ (U.K.) LIMITED

In, pagnie Française des Pétrolas ("C.F.P.") has prepared since 1962 and published since 1966 consolidated accounts for C.F.P. and its subsidiary, joint venture and associated companies ("the TOTAL Group"). The accounts for the years ended 31st December, 1971 and 1972 were audited by the Commissaires surt (auditors) of C.F.P. but, prior to 1971, the group accounts were not subjected to external audit. We are newever that for the five years for which figures are presented in this report, with a few minor exceptions, and every subsidiary, joint venture and associated company have been subjected either to external o examination by the group financial management.

Farcel Neveux was one of the asstutiony commissaires aux comptes for some twenty-five years until his death in July, 1973, and eccordingly had held this office throughout the period covered by this reportion instructed with us to act as joint reporting accountant, and his work has commission to this report.

172. M. Ferdinand Angleys was also appointed as a commissaire aux comptes of C.F.P.; he, the larts us and another of the partners in the firm of Angleys. Blind et Cie have, in addition, acted for verying of years as commissaires aux commissaires aux commissaires aux commissaires aux commissaires aux commissaires.

have examined the Accounts of all the individual companies in the TOTAL Group for the period from 117, 1970 to 31st December, 1972.

have examined the Accounts of all the individual companies in the TOTAL Group for the period from 17, 1970 to 31st December, 1972.

Dugh we have not carried out any detailed examination of the Consolidated Accounts for those two 1 1969, we have not carried out any detailed examination of the Consolidated Accounts for those two 1 are not therefore, able to express an opinion thesion. We are however estatiled that, spert from the 1 of associated companies referred to in the next section of this report, the accounts of those years were, on bases consistent with those of the following three years. hase of depreciation of the tanker fleet is to adopt the reasonaire rate permitted by the French fiscal is and to apply it with effect from the time when the keel is laid. The rate exceeds what would normally isred acceptable in the United Kingdom for accounting purposes and is applied before the construction set is complete. Because the reducing belance method is used and new vessels have been taking the place seels during the period under review, the net effect on profits a not material, but the net book values of are for belance sheet purposes are understated by comparison with United Ringdom bases. Subject to this satisfied ourselves that the provisions for depreciation and amortisation charged in arriving at the reported a resonable. Subject to the foregoing in our opinion the statements of turnover and profits for the years at December, 1970, 1971 and 1972 and the statements of net assets at those dates, as set out below, a based on the Accounts of the various companies of the TOTAL Group, present in conjunction with the his report a rue and fair view of the TOTAL Group profits for those years and of the state of affairs of the largest at those details.

OF CONSOLIDATION

In cases where C.F.P. owns directly or Indirectly 50 per cent, or more of the equity capital of a subsidiary.

C.F.P. exercises management control although owning less than 50 per cent, of the equity capital, the a normally applied in the United Kingdom to subsidiaries have been followed, except that in accordance who less not precise, no distinction has been drawn between pre-acquision and post-acquision profits whole of the free reserves are available for distribution to shareholders. This treatment is reterred to as the method. During the three years ended 31st December, 1972, no companies became subsidiaries as a accruisition.

acquisitions.

For a number of joint venture companies where there are shareholders' agreements and in which C.F.P. tes with one or more other companies, C.F.P.'s proportion (based on its percamage participation in the if each item of assets, liabilities, income and expenditure-has been included in the consolidated accounts, ment is referred to as the "proportional" method, in one case, Ratificene de Strasbourg, consolidation is C.F.P.'s proportion of finance provided, not equity participation, but the difference is not material.

For other companies which are restrict and in which C.F.P.'s equity participation, creek and indirect, is or exceeds 10 per cent, the proportions of net assets and not profits attributable to C.F.P. are included assolidation under the references to associated companies. This is not desirable from the standard treatment

or expense to per cent. The profession of the second at the profession appropries to the references to associated companies. This is not dissurded from the standard treatment and companies in the United Kingdom.

The classification of associated companies was introduced with effect from 1970. Before that date all es in which the C.F.P. participation exceeded 10 per cent, and which were not treated as global were as proportional. The thenge is the method, if introduced in 1960, would have given a decrease of less or cont. In the net group turnover and a decrease of less than 1 per cent, in the net fixed assocs, the net maining unchanged.

The numbers of companies i	poluded to each	of the foregoi	ng categories are	as foliows :—	
	1968	1000	1870	1971	1972
nt company		1	- 1	1	1
al consolidation	103	103	101 .	100	100
remonal consolidation	. 63	- 74	56	. 53	. 53
ociated companies		_	300	.38	35
		 .	_		· —
	187 "	172	128	109 .	120

is botween such figures and the sudited figures subsequently svalishte have been immeterial, they have a subject of an adjustment in the following year's consolidation.

A list of the principal subsidiary, joint venture and associated companies is given in the Appendix to

ENTATION OF ACCOUNTING STATEMENTS

.P. Intends to commus in future years the form of accounts which it has hitherto adopted, subject to the occasiof change in line with general accounting development. We have accordingly adhered to this form of a and broad classification of items in drawing up the tinencial sessences in this report as fer as possible. ate comparison with future published annual accounts.

Incomparation with future published afficient customers. United Kingdom presentation:

Amounts receivable or psychic within one year of the belience sheet date are treated as current assets or littles; this includes those installments of long-term losins or debestures due within twelve months; wessely, emounts not receivable or psychic unit after the appraision of twelve months; those include trens such as prepaid or recoverable expenses and deposits.

Adjustments of income and expenditure items of previous years are accumulated and shown as a separation.

Adjustments or income and expenditure terms or previous years are econtinuous or a service in the profit and loss ecount under that description, whereas the more common United Kingdom practice ild be to adjust used constituent term on the income or expense account heading to which it relates use it were so large as to werrant treatment as an extraordinary item).

The item "Exceptional profits and lossed" includes terms which would normally be described as the includes terms which would normally be described as a confit of the co

isses on sales of investments. sectional profits and losses are both shown grow; secution related to those

Prior year adjustments and exceptional profits and losses are both shown grow; senation related to the its is included in the textion charge for the year. Group share of profits less losses of secolested companies represents the share of such profits or loss run; the stem is accordingly added to the figure of group profits after texation.

OVER AND PROFITS"

s ended 31st December, 1972, v	7.468	1389	1970	1971	1972
and the second second					
	F.'000	F.'000	F. 1000	F. 000	F.1000
Turnover 1 petroleum products	12,238,099	14,299,709	17,232,896	20,713,290	20,989,431
services and other products	378,548	452,560	476.353	434,427	650,178
44	12.718,645	14,752,269	17,700,348	21,147,717	21,539,609
Ities and sales taxes 1	5.098.478	6,335,936	6,880,159	7,835,154	7,386,228
Priover 1	7.618,169	8,410,333	10,629,080	13,212,563	14,164,380
DWIDOS	4,942,846	5,277,184	7,144,596	8,281,280	9.716,178
Operating Profit	.2,675,323	3.139.149	3,684,494	4,931,283	4,438,202
18hcial incomo	.113,807		212,610	214,747	207,434
or year adjustments 2 Contional and extraordinary	(7,781)	22.043	(2,685)	7,219	54,408
profits and losses 3	70,192	89,809	98,889	(18,171)	97,780
	176,218	288,854	308,832	203,855	359,822
opreciation and provisions 4	812,390 164,573	922,321 235,848	1,030,300	1,211,288 457,129	1,183,764 ARO.877
	976,963	1.158.169	1,410,424	1.868.417	1,674,641
lidated Profit before Taxation		2.269.834	2 582 902		.3.123.183
ixation and share of the French			2502544	3,465,721	
State in Super-Profits - 6	1,342,258	1,551:288	2,009,606	2,770,802	2,510,334
deted profit after taxation	532,320	718,545	573,296	695,819	612,849
sahere of profit after texation ociated companies		:	13,945	7,118	14,521
arofit after taxation	532,320		587,241	702 807	627,370
inoray intercents	90.407	105,102	88.097	.145,088	45,201
after Taxation and ority interests	441,913	613,444	489.144	557,849	678,160
rith as follows :— lends	104,494	125,393	125,393	161,491	170,990
èmes: m C.F.P.	2,500	5,600	3,000	3.000	S,000 -
in subsidiaries	673	1:544	1,388	1,753 2,362	1,921
lend taxes on intre-group dividends rood :	1,331				
C.F.P.	291,593 41,322	487.812 (5,777)	240,052 116,684	255,839 133,404	383,301 15,668
The selection	441.913	613,444	489,144	557.849	578.168
	441,010	010,777	400,144	- 991,940	979,198

Broup turnover represents the gross value of goods and services sold in the normal course of business after riting sales between companies in the TOTAL Group. A bhange in the normal method of recording sales at lecture in France generally on 1st January 1972. Before that date, sales were recorded at figures inclusive a added tax, the latter burng deducted as a supported here. With effect from 1st January 1972, however, the I practice is to record asias enclusive of value added tax. This applies to the parent company and to the Franchismus. It does not affect the figures of not turnover which are on a contrarable basis from years year. For value of tence —

not year adjustments are process appropriate forms of Italian companies	(11-7) 3-8	19-2 2-8	(2-7)	(20-8) 27-7	5-3 49-1
in the later was to	(7-8)	22-0	(2-7)	7-2	- 54-4
respectively and outproprinters profits and it ments and to deligences on exchange in d analysis expressed to missions of trans-	डर्कारे सुरायीधर	u contendà et maistà to de	sins and losses on day djustments and realig	nmente, The	EL Briwoile?
icy differences	8.9	26-1	(3.9)	. (84-6)	(5.3)
- hrs. lusers on disposals of fixed assets	12-9 48-4	48-2 26-5	62-1 45-7	20-7. 25-8	68-0 ·· 35-1
		00.0	0.0.0	(19/1)	97.6

Rates of depraciation are based on the straight line method, or the reducing balance method, or are in divide with the bacit least of the country concerned, it is the policy of the TOTAL Group to depraciate fixed over their estimated isolate for an expensive periods, are dealt with by the full-cost accounting method; costs are capitalised without distinguishing between proven, unproven and abandoned fixeds, and are then each at informacy to lightly on the period of production method; or all other oxigication expensive proven reserves on the uple of production method, and exploration costs in the substitution are their exploration costs in the substitution are for a constrongibility reduction made in the deprecision charge for the year of these costs is reinstated as which they are incurred; if and accounts made in the deprecision of taxage for the year. It has costs is reinstated asset and a constrongibility reduction method in 1955 methy provision for taxage for the year. This treatment is not if universally but only to certain groups which request has the TOTAL Group has done, in order to obtain the relative are not determined what some constraints in countries, particularly in the full-distribution of the year for determined what some consistent to be included in the accounts of the year to a matter, and it is the particle of the complete of the solution of the year to the treatment of the particle of the complete, and it is the passing of the particle of the complete, and it is the passing of the particle of the pasticle of the pasticle

Year	Accept	unt of Relief Received F. 1000	Years	to which Reliaf :	اعثم
1962		<u></u>			
1969		40.00		1966	
1970		816	: .	1966	
	_	47 517	-	. 1967	
	-	44,450		1968	
		82.583		_	
1971		53,500		1969	
		96,372		1970	
•		149,872			
1972		174,311		1971	

(b) Pursuant to the 1934 Convention, there is a special account between C.F.P. and the French State respect of its holdings in iraq Petroleum Company Limited and sister compenies. The amounts provisionally oculated each year are included-with the treation charge and referred to as "Share of the French State in Sup Profits". When the liability is finally determined and paid, any adjustments are included as prior year adjustment figures for the Share of the French State in Super-Profits are as follows:—

Year .	Provisional Charge 7,700	Charges relating to prior years • F.1000	Credite relating to prior years	Relevant prior years
1968	14,000	598	-	1967
1968	(B.500	1.617		1962-1986
	1	-	5,450	1988
1970	i4.700	_	1,581	1988
	_	2,180		1988
1.07	24,000		170	1970
1972	25,000		33716	1971

7. The aggregate emoluments of the Consell d'Administration ("the Board") and Members of the "Direction" (management) of C.F.P. receivable from C.F.P. or its subsidiaries or joint venture companies in respect of the year ended 31st December 1972, amounted to F.7.905.000. This figure includes F.3.777.000 representing turblenes (share of profits) which are an appropriation of not profits and are accordingly not charged before arriving at the figures of profit after taxation and minority interests. Lamberes are the statutory remuneration of the Board as laid down by the company's statutes (equivalent to the memoranded for distribution in excess of the statutory first dividend of 6-per cent, For each of the years 1970, 1971 and 1972, the textilenes receivable from the person of the Board, been restricted to F.2.000,000.

Apart from normal salary increments, there have been no changes to the arrangements in force at 31st December, 1972.

3. The reported profits include some an extended to the proposed of the profits include an extended to the proposed of the profits include an extended to F.2.000,000.

There are restrictions on the extent to which earnings in co-amounts involved are not meterial.

NET ASSETS -- PARENT COMPANY

(notes (i) and (m)):

NET CURRENT ASSETS

PARENT COMPANY NET ASSETS

The net assets of the perent company at 31 st December, 1972 w		*	
the not asses on me because, any lead of a lot becaused to the	F.1000	6,7000	F.1000
·	Gross	Depreciation	Nec
Fixed Assets (notes (a) and (b))			
Land	3,567 26,827	13,724	3,567
Buildings Mass valvious	2,109	977	13,108
Forniture and equipment	22 480	14 430	9,059
Assets in course of construction	1,325	_	1,325
Cost of lease	30		30
	57,347	29,131	28,216
	. —		
Investments and Long-term Assets (notes (c), (d) and (h)) Subsidiaries:			
Shares .	1.858.375		
Long-term loans .	691,397		
		2,549 772	
Joint Venture Companies:			
Sheres	512,497		
Long-term loans	497,114	1,009,611	
Associated Companies:	. ——	sideale ()	
Shares .	160,452		
Long-term loans .	800		
		161,252	
Other Companies:	. 50.000		
Shares (nots (e)) . Long-term loans	72,668 442,451		
CONTRACTOR OF THE PROPERTY OF	446401	515,119	
Advances to subsidiary and associated companies for further shan	EL.	414,115	
ess provisions (note (1))		122,131	
Deposits given as security		2,308	
			4,360,193
Current Assets			
Stocks (note (g))		27,709	
Trade debtors:		-	
Subsidiaries	W/N (156		
Joint Vennere Comperèss	1,013		
Others	1,112	603.183	
Other debtors:		4041144	
Subsidiaries .	901,161		
Joint Venture Compenies	6,051		
Others	233,291		
Propaid and recoverable expenses		1,140,503 20,554	
Quoted investments (note (h))		76,150	•
Short-term loans:		24144	
Subsidiaries	247,140		
Joint Venture Companies	26,510		
Others	183,002	450.050	
From bellinger:		456,652	
Deposit accounts	285,000		
Citrent accounts	17,718		
		283,718	
Deposits for payment of unclaimed dividends		4000	
interest and loan repayments		17,317	
Purchases of own debentures (note (k))		9,227	
. •		2,635,013	
Current Liabilities			
Trade creditors:			
Subsidiaries	4.758		
Joint Venture Companies	92,708		
Others **	83,521		
Market and Alberta		180,985	
Sundry creditors, bills payable and accrued charges (note (e)): Subsidiaries	25.250		
Joint Venture Companies	7.761		
Others	942,377		
· · ·		975,396	

4,585,173 Motes:

(a) If a French company incorporates in its accounts any reveluation of fixed assets, the amounts added to the asset values must be dealt with an exceptional profits and are then subjected to corporation tax; it is not, therefore, the practice of C.F.P. to revelue its assets. Specific permission was given, however, in 1959 for a revaluation by reference to indices had down by the firstal authorities without any tax liabilities being incurred, and subsequent depreciation was based on the revalued amounts. This concession has not been repeated since 1958. The increase in asset values of the parent company resulting from that revaluation was not material; in the main the fixed assets at 31st December, 1972 are stated at cost.

(b) Maximum rates of depreciation are desernined by the French fixed authorities in accordance with the expected useful lives of the various classes of assets, Depreciation is an allowable deduction for tax purposes only to the actent that it is recorded in the accounts; conversely, any depreciation charged in the accounts in excess of the fixed rates is disablowed for tax purposes. It is the policy of the company to apply the amountern fixed rates. No adjustments have been mattle to the between extent figures already published.

677,571

791,779 4,557,777

27,396 4.585,173

1,068,690 357,236 106,869

to the secent test it is recorded in the accounts; conversely, any depreciation clerged in the accounts as excess of the fiscal reasts is desillowed for tare proposes. It is the policy of the company to apply the maximum fiscal reasts. No adjustments have been mattle to the belance sheet figures already published.

(c) Shares and terre-term loans (repoyable more than one year after the date of the belance sheet) are valued at cost less amounts provided for depreciation fore. In the case of companies engaged in exploration, 100 per cent, depreciation is provided small such three as a field is proved to be productive when the depreciation is written back. In other classe provisions are made where escessivy to reduce the book value to the proportion of the capital and reserves stributable to the CF.P. holding.

(d) Three of the subjectances Compagner Française de Ratificage, Commum Français de Pétroles, and TOTAL Petroleum (North America) Ltd., and two of the escociased companies Compagner Auxiliaire de Navigation and Socanter are themselves quoted on the Paris Stock Exchange. These intrestments which laid a book value of F.601.625.970 at 31st December, 1972 had a number value of F.1,114.325.348. These market values are calculated in accordance with published average stock exchange prices for the morth of December.

(e) The book value of shares in other companies includes F.4,766.396 representing calls not yet made on shares acquired in seven companies. This figure is also included in the item "Sundry craditors, bills payable and accrued charges" under the heading of current fabricies.

(f) Advances for the acquirision of further starces are made principally in respect of employed continues of F.540.474,900 had been made. In the event of a field proving productive, the relevent provision will be written back so that the original advances is rehusable and as their susping productive, the relevent provision will be written share. It is ach started on the proving productive, the provision will be written share. It is

(g) Stocks, makinly of crude oil and petroleum products held at refloation, are valued at cost of purchase from other TOTAL Group companies (including an appropriate element of profit carried by such companies) or realizable

Dunted investments are shown at the lower of cost or market value. At 31st December, 1972, the Par hange value of these holdings, calculated as in note (d) above, was F.167,377,968. Subsidiary an acompanies which are quoted are included under the beading "Investments and Long-term Asses Salance sheet Jasus expressed in foreign currencies have been convented into Franch france at the atthemps rates published by the Franch Government as at 31st December, 1972, C.F.P.'s own debantures perchased through the mock market are available for m-sale at any time prior

61,971 F. 000 16,834 F. 000 18,285 6,343 13,582 F.'000 19.027 5.343 54,328 108,656 127,912 12,583 15,989 5,285 4,708 4,440 27,317

to final redemption. The company's present policy, however, is to central them at part of the next red

(1) Debeniums are supervise in the following years and currences:—

(m) Loans are repayable in the following years and currencies:-F '000 34 F.'000 113,054 54,457 33,955 23,984 102,425 25,606 59,581 319,808 53 102.482 (n) Contingent Liabilities: Bills discounted, not yet matured Guartantees on behalf of :---1,011.749 164.731 11,466 1,199,192

NET ASSETS — GROUP The net assets of the TOTAL Group as reflected in the published balance sheers at the end of each of the last its years are summarised as follows:— F.'000 F.'000 F.'000 6.376,200 6.603,177 7.822.033 F.'000 F.'000 F.'000 3,997,834 4,609,826 5,714,620 PIXED ASSETS INVESTMENTS AND LONG 1,876,168 2,792,187 2,540,716 1,360,729 1,684,548 1,471,519 750,988 808,396 950,771 924,011 1,213,939 1,251,816 9,613,097 11,088,890 11,934,269 5.672 833 6.632 151 7.917.207 LESS LONG-TERM LIABILITIES 3,395,319 4,098,576 4,599,209 1,372,345 1,900,243 2,202,296 6.217.77B 6.991.314 7,335.059 139.065 113.770 128,845 4,731,918 5,714,911 98,967 122,636 AM: DEFERNED CHARGES 4.373.623 4.830.885 5.837.547 6,356,843 7,105,084 7,463,904 Legi: INTERESTS OF OUTSIDE SHAREHOLDERS IN SUBSIDIARIES 779,488 821,482 1,055,940 1,239,257 1,275,173 1,317,933 NET ASSETS ATTRIBUTABLE TO MEMBERS OF C.F.P. 5,117,586 5,829,911 6,145,971 3,594,125 4,009,403 4,781,807 Representing Issued capital Share premium Legal reserve 949,947 1,068,690 1,068,690 96,000 357,236 357,236 94,995 106,869 106,869 3,976,644 4,297,116 4,613,178 781,622

no exects of French companies were revalued in 1959 in accordance with official indices laid down by the Except where otherwise stated, rates of decreciation are based on the straight line method or reducing balance that or in accordance with the faces laws of the country concerned.

3.594.125 4.009.403 4.781.607

5,117,586 5,629,911 6,145,971

Land, at cost	1967 F.'000 383,411	1968 F. 000 441.181	1969 F.'000 530,369	1970 F.'000 633,947	1971 F.'000 731,754	1972 F.'000 806,770
Underground works and dri Cost or valuation Depreciation	1ting expenses 830,882 528,660	845,7 63 588,661	1,052,814 717,303	1,176,476 783,989	169.340 80,155	192,748 87,722
Net ·	302,222	257,102	335,211	392,486	89,185	105.025

Not	51,592	98,540	74,433	83,515	181,137	126,649
Tanker fleet: Cost Depreciation	499,141 447,548	579,297 480,757	572,577 498.144	548,330 454,815	886,587 505,4 5 0	639,443 612,784
Net	738,204	835,794	965,206	1,026,339	1.015,667	1,130,658
Buildings and ancillary facilities Cost of valuation Depreciation	1,182,400 444,196	1,336,918 501,122	1,567,119 601,913	1,720,400 594,061	1,679,399 563,732	1,847,696 717,037

Depreciation is applied at 31-25% per annum on the reducing balance (the maximum rate allowed by the French fiscal authorities) so as to write off the cost of each vessel in 8 years. At 31st December, 1972, vessels having a total cost of F-279,584,674 had been fully depreciated.

Fixed equipment for hydrocarbon transportation:

Het	128,180	207,282	237,737	241,510	375,586	543.848
Oil exploration and research work Distribution	B05,902 677,722	973,178 765,886	1,177,585 939,848	1.234,750 993,240	1,490,191 1,114,602	1,651,405 1,107,557
Net	138,860	116,689	170,117	209,459	168,182	283,822
Cost or valuation Dependency	290.927 152,067	287,634 170,945	389,536 219,419	500,567 291,108	252,236 84,054	390,017 1 06, 195

The basis of decreciation is indicated in note 4 to the statement of turnover and profits.

Processing and storage plants: Cost or valuation Depreciation	3,584,960 2,629,916	3,982,478 2,784,053	4.652,597 3.182,021	5,325,490 3,524,936	5,252,482 3,482,186	5,894,390 3,432,455
Nat	1,055,045	1,228,423	1,470,676	1.800,564	1,770,306	2,461,935
Other plant and tools: Cost or valuation Depreciation	1,802,889	1,684,380 1,025,953	1,978,870 1,229,964	1,957,882 1,203,657	2,055,363 1,193,254	2,418,987 1,392,706
Net	593,761	657,427	748,906	754,235	862,109	1.026,281
Motorvahiolee: Cost Depreciation	214,454 150,728 63,726	221,688 151,277 70,411	263,401 171,444 91,957	261,600 177,528 84,074	261,213 166,474 84,739	278,981 176,721 103,260
Assets in course of construction						100,200
Tankers, at cost Depreciation	. 59,933 8,410	44,862	110.273 15.375	146,197 13,336	90,887	265,865 3,533
Other assets, at cost	51,523 265,650	44,862 370,443	94,898 625,821	132,861 846,268	90.887 81 6,542	262,432 706,088
	317,073	415,305	720,719	779,129	907,429	968.520

French flecel regulations allow depreciation of ships to commence as soon as the keel has been laid.

Oil rights, ficences, patents, and						
related expenditure, at cost less amounts written off	225,760	281,682	369,289	370,952	407.080	365,263
Fixed asset totals:				1		
	9,948,209	11,059,480	13,290,051	114,522,868	13.893,084	15 45R 753
Depreciation .	5,948,375	6,449,654	7.575,431	8,146,668		7,536,720
Net (as shown above)	3.997,834	4,609,826	5,714,620	6.376,200	6,603,177	7,922,033

INVESTMENTS AND LONG-TERM ASSETS

Shares in associated companies : Cost Less amounts provided	490.365 64,447	978,907 114,549	734,521 98,280
Net	425,938	865,358	636,241
Prior to 1970, the companies concerned were consolidated	on the proportional basis.		

Less amounts provided	67,667	73,368	53 572	292,430 58,011	408.847 151.256	442,009 151,339
Net	237.933	263.655	275.210	234,419	257,591	290,670
Subsidiaries are not consolida assets is less than F.500,000 or of d	ted either on a g he net sales is les	global or on a s than F.1,000	ргорогиона 0.000.	bases of C.F.I	3.'s proportio	n of the net
Deposits given as eccurity	13,819	16,494	21,542	20,075	21,008	25.286
Long-term loans: Gross Loss amounts provided	458.261 20,434	486.183 22.626	607.428 25 707	1,133,047 25,927	1,586,474 32,579	1,579,820 177,118

463.687 581.721 1,107,120 1,553,895 1,402,502 The above figures represent loans which are due for recovery more than twelve months after the balance sheet date. The proportions of such loans which are recoveble within twelve months are included under the heading of

Long-term recoverable and

61.409 64.580 72.298 88.616 94,315 186,037

These figures also relate to periods beyond one year from the balance sheet date.

The seets in Iraq and Syria of freq Petroleum: Company Ltd. ("I.P.C."), a "joint venture" company, were nationalised in 1872. As part of a general settlement reached with the Iraq Government at the end of February, 1973, another joint venture company, Mosul Petroleum Company, Ltd. ("M.P.C."), a sister company of I.P.C. surrendered its concession. Under the settlement, compensation was to be paid by means of delivering to the participating shareholders an agreed formance of trop of during the period ending in May 1974. Because this form of compensation cannot yet be readily translated into menutary terms final accounts for 1972 have not yet been insued by the companies concerned. They have accordingly been proget into the consolidation on the basis of their balance sheets at 31st December, 1971. The item "long-term incoverable and prepare expenses" includes proportional interest in the net book value of their fixed assets which were in provious years included under the appropriate fixed asset headings. C.F.P.'s estimates indicate that the monetary value which will in due course be attributable to the free oil mentioned above will not differ materially from the book value of the assets nationalised and that accordingly no provision is required.

Compagnie Française des Pétroles

NET CURRENT ASSETS						
	1967	1368	1369	1 1970	1571	197
Circumsta	. F.'000	F.'00g	F. '000	F'.000	F.3000	F. 00
Current assets: Stocks				1		
rade debtors	919,475	1,061,139	(425,232	1.582,379	2,078,375	2,165,83
Other debtors	1.210,522	1.071,553	1.594.882	1,936,282	2,168,786	2A72.8
Bills receivable	\$03,103	579,697	771.578	784,422	851,778	1,260,59
secoverable and busbaid exbeuses	215,000	239,721	417,965	424,293	522,617	598,7
Quoted investments	305.111 360.463	440,278 371,763	435,834	518,162	490,808	537,5
Short-term loans	537.330	685.397	289.053	233,702	373,812	506,50
Bank and cash balances	485.388	645.097	876,511	1.274.006	833,957	1,060.30
and the cost I benefices	400,300	040,037	737.075	628,123	1,250,223	854,78
•	4.536,392	5.093,643	6,548,240	7,391,369	8.570,296	9,505,98
Current Habilities:						
Creditors and accrued charges	2,319,440	2,777,426	3.285.684			
ilis payable	531 639	355.947	604.954	4,140,488	4,444,038	4,959,84
Debentures repayable within	001,003	300,347	904,204	603,029	667,732	294,01
One year	28.888	38.687	41,239	33.240		
Other borrowings repayable	-11,000	JU,007	41,000	33,240	31.575	38,10
within one year	343,903	373.263	855.539	911.126	4 450 057	2117.03
Bank overdrafts	293,516	229.887	383.635	317.364	1,159,867 411,049	454.30
roposed dividends	94,895	104,494	125.383	125,333	181,481	170.98
	3,612,381	3.879.704	5,296,424	6,030,640	6,875,750	B.034.46
et Correct school	924,011	1,213,939	1,251,816	1,360,729	1,694,548	1.471.51
ong-term liabilities and p	rovisions					
ebentures	588,530	765,891	780.772	938.192	1.283.679	1.451.92
ong-term loans	566,150	923,738	1,128,269	2,082,088	2,200,124	2,529,06
eposits received as security	42,730	40,031	58,611	78,959	143,775	165.42
talf retirement schemes	62,919	66,443	82.504	102,066	117,579	137,87
rovisions for risks	112,016	104,140	152.140	184,014	053,410	314.31
	1,372,345	1,900,243	2,202,296	3,395,319	4.093,575	4.595.20
oferred charges						
iscount on debentures	48.358	68.207	70.414	MS.812	61.630	68.61
refinancy charges	24,779	30,680	52,222	69,153	52,131	70.77
		20.000	122,636	139,085	113,770	120.84
•	73,135	98,967	122,039	1.38,000	110,770	12000

(4) Balance aftest items in the accounts of companies in the TOTAL Group expressed in foreign currencies to been converted into French francs at the exchange rates published by the French Government as at the end of it year. The fixed assets of producing companies operating in the Middle East. however, have been convented to French france from their original United States dollar values, despite the fact that the accounts of these repeales are expressed in starling; the grounds for this treatment are that the companies operate outside the filing area and the TOTAL Group markets its share of their output in United States dollars, and accordingly has need to take any account of fucusations in the value of sterling which is used acledy for the purpose of preparing

100	a rushii	chard properties of the communication communication	_	-	- •	
740	s puus	Birdy accurate of the companies concerned.				-
- 2	(6)	shed accounts of the companies concerned, Debentures outstanding at 31st December, '	1972 are repayable in the	tollowing '	years and c	unenties:
_'						

		1973	1974	1975	1976	1977	1978
		F.'00G	F.'900	F.7000	F. 1000	F.'000	F. '000
. French frence	49% to 81%	21,748	47,143	48,657	55,679	58,758	502.182
States Grance	41% to 61%	41,170	107,1044	_+0,007	17.187	12.582	230,384
Deutschmerke	81%		_	-	15.989	15,989	127,912
U.S. dollars	51% 20 8%	4.184	6,127	6,394	6.675	6,972	53.872
Netherlandsfloris		8.343	7,124	7,124	7.124	781	58,523
sellen ike	67%	5,826	8,203	963	-,127		20,020
		SE.101	56,597	63,128	102,554	98,082	1,123,453
٠ .		1973	1974	1975	1976	1977	onwerds
							1978
•		F. 7000	F.'000				
Franch france	66° on 686°	1,544,481		F.'000	F.'000	F. 000	F.'000
French france Deutschmerke	6% to 10%	96.342	263,417 24,814	241,256	124,516	79,987	571,52B
U.S. dollara				10,341	18,245	8,245	18,394
itelian ike	61% to 85%	88,613	63.672	181,476	27,168	75,816	104,793
	3% to 5%	7,983	22,557	117,457	19,973	73,323	49,290
Pounds exerting	51% to 111%	188,639	14,085	36,792	38,767	15,945	20.932
Swiss france	59% to 8%	61,684	3,865	. 2,521	2,521	34,177	1,097
Averrellen dollare	3%	33,849	1,916	3,918	3,918	3,918	808,88
South African rend		30,664	12,875	12,875	12,876	12,876	15.342
Netherlands florin		9,548	3,021	3,021	3,021	3.021	26.997
Othera							
	4% to 10%	65,327	-6,15 9	7,659	22,276	5,451	12,153

(7) Contingent liabilities of the TOTAL Group at 31st December, 1972 were :---

178a di	7.7000
lills discounted, not yet matured sesing contracts	23,295
other guerantees	1.430,143

The Statutes (Memorandum and Articles of Association) of C.F.P. lay down that after making transfers to legal reserve and contingency fund the net profit shall be applied in providing a flat dividend of 6 per cent. on the shares in issue; after further allocations to general reserves (including retained profits), the belance remaining is allotted in the proportions of a maximum of 5 per cent, to the Board, as tantièmes (share of profits), and 30 accepts the profits of the proportion of the profits of the profit

THE GO has delice as a section or side	(M. 10 et all all al				
In respect of the 5 years ended					
	1968	' 1 <i>969</i>	1970	1971	7972
(aguad capital (F.'000)	791,622	949,847(a)	948,947	1,056,950	1,000,100
Rate of dividend (including 6 per	N.				
cant. first dividend)	13.2%	13,2%	13.2%	15.1%(b)	16%
Cost of dividends paid (F. 000)	104.494	125,383	125,393	167,491	170,990
Rate of dividends in france per shere	0,00	5.80	6.80	7,56(b)	8.00
. Avoir fiscal (tax credit)	3.30	3.30	3:30	3.78(b)	4.00
Grow income of elementicides to					•
PROPERTY AND ADDRESS OF THE PERSON AND ADDRESS OF THE PERSON ADDRE	8.90	9.80	9.80	11.33(b)	12.00
		•			

(a) in April 1970 the issued capital was increased by a capitalisation of reserves at the rate of 1 new share for 5 existing shares. At the 1970 Annual General Meeting, the shareholders approved a resolution stating that the new shares would be eligible for the dividends payable out of the 1989 profits, and accordingly the dividends were stated to be at the rate of 13.2 per cent. (F.6.60 per share) on an issued capital of F.948.947.000. The balance sheet as at 31st December, 1969, showed issued capital at F.781,622,000; this has been adjusted in the table above to the figure on which the dividend was declared.

(b) A 1 for 8 rights issue in October 1971 was made on the terms that the new shares would be antitled to the 1871 dividends only with effect from 1st July, 1971. Accordingly, the rates of dividend should strictly be shown as 18 per cent. on the old shares (costing F.151.992.000) and 8 per cent. on the new shares (costing F.9.499.000). The corresponding rates expressed as france per share are F.8.0 on the old shares (F.12.0 gross) and F.4.0 on the new shares (F.6.0 gross).

No audited accounts of the company have been made up for any period subsequent to 31st Documber, 1972.

F. ANGLEYS				H
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42 madu Louve	w. 7500°	1 PARIS		12

LESKETH HARDY HIRSHFIELD & CO Chartered Accountants Norwich House, 13, Southampton Piece, LONDON WC1A 2AR.

.. APPENDIX TO ACCOUNTANTS' REPORT

Subsidiary, Joint Venture and Associated Companies

The following are the principal subsidiary, joint venture and associated companies of C.F.P:-Year of Country of Jacobs share capital C.F.P. Presertion

•	Campiny	ingerjaard- Dest	hamperaties		%	hold attribut ather (1) Group comp	relativa da Trikli
	Exploration	1866	France	F 7.500.998	89.76		
·	Compagnie Française des Pétroles (Métropole) TOTAL Oil Murion Ltd.	1864	England.	£ 40,000	100,00	_	_
: \$	Compagnie des Pétroles TUTAL (Afrique Durst)	1954	Senegal	FCFA 1,200,000,000	99 49		
PROFILE	COPETAO TOTAL-Compagnio Minière de Sinègal	1966	Seneral	FCFA 505 080 000	28.61	Various	0.56
	TOTAL-Compagnio Africaine des Pétrales	1968	France	F 2,800,000	89.95		
	TOTAl Indonésia	1568	France	F188,000	59.50	Various	8.39
5	TOTAL Exploration Anstrain (PT) Ltd.	1955	Australia	A\$ 3,000,090		طحما الا	100.00
\$	v Configuration (to)	1968 1973	Canada Franca	CAN S 100,000 F 100,000	红 (5 15.48		_
: i i	TOTAL Compagnie Minière et Beclénire	1219	Cinco	£ 166'886	86.76	_	-
' " .	Production	1811	Essiond	£ 23 500.008	71.75		_
JV	Ireq Petrologet Company Ltd.	1936	England	£ 12,830,000	23.75		=
7 + N	Mond Petrolous Company Ltd. Barret Petrolous Company Ltd.	1938	England	£ 12,480,808	23,75	_	
~ N	Oster Petroleum Company Ltd.	1938	England	£ 11,190,960	23,75		-
. JY	And Chabi Petroleon Company Ltd.	1936	England	C 11,210,800	23.75	_	-
· J¥	Abu Chairi Marine Areas Ltd.	1954	England	E 1,850,000	33.33	-	-
-	n. L. Lagres Greek Litt.	1954	England	US 386,460	50,90		_
- 100	o O .	1937	ingland	£12,983,040	10,00	-	-
		1854	England	£ 500,000	6,00 85,00	-	-
	Composition Françaiss (65) Petroins-(augenn)-Let (1953 1971	France Alumia	·F 210,080,979 DA 241,000,086	93.00	CFP (A)	100 60
S	TOTAL Aigests	1971	Alestra	DA 200,000,000			41.00
-n,Ā	Alrep-	19/1	William	(US \$24,585,800)	11	s some verification	7,000
				(Preferred Shares)	37,51=	TOTAL	5.710
\$	TOTAL Petrolemu (Horth America) Ltd.	1950	200	CAN \$7,022.182	· · A	MOCICES FOR	
				(Ordinary Stares)			
s ·	TOTAL Marine Exploitatio Mastechappi) N.V.	1964	Hegherianes	A 2,600,000	99.35	(CFP(GR)	1.88
2	TOTAL Marise Roysk	1965	Horway	NKr. 100.008	38.50	CFF(G)	1,00
٠,'`	Compagnia Franco-Tanisianue des Pétrales	1968	Tunisre	07' 200,090	44.86	_	
.,¬. JV	Sestes Ltd.	1854	Asstralia	As 9,317.817	· - T	OD Australia	16.83
						•	
	Raffging	1929	France	F 294.250.080	54.71	-	
, \$	Refleing Compagnie Françoise de Reffinago-CFR	1952	France	F42,000,000	16.66	CFR	10.58
, N	Reffinerie de Strasboary Sociéts de la Reffinerie de Lorraino	1987	France	F 50,000,000	_	CFR	51.08
. W	Société de la Raffigarie de Brast	1072	THE	F1,008,000	-	CFR	25.20
		1973	France	F 276 448, 25/6	_	Socaétar	55.87
		1956	England	25,850,000		TAL OF BU	54.05
	TOTAL Refinederij Hederland K.V.	1971	Netherlands	F) 35,800,000	100.06	-	
		1964	West Germany	094 49,000,090 DBJ 20,000,890	29.00	CETO	29,30
10	Company Halliman Character	1965 1834	West Germany Italy	F 10'000'008'000		TAL SIBA	56.50
	Amelia S.D.A.	1034	italy	£ 1,758,660,000		TALSLEAL	20.00
	Lemborda Petroli Industria Calmicka Italiano del Potrolio S.p.AICIP	1946	italy italy	L 7, 900L608,080	100.00		
S	RESERVE CARDICAR PERSONS AND ADDRESS OF THE PERSONS ASSESSED.	1956	liniy	L 8.000, 982, 989	-70	TALSLEA	28,00
TA	Reffineria di Roma S.p.A.		i and				

	_	Ontinued			
Congacy	Theref	Comby of Incommunic	head slave capital	<i>SFP.</i>	Proposition hald stylingtoble to
	. Dies				utket TOTAL Gross communic %
II Secretado Nacional de Patineção de Petrolos: S.	186 186	Fatigal 1	Esc 300,001,000 ^	24.52	
SONAREP : JV Société Africaise de Roffinage	1961	Special	FCFA 1,000,000,000	11.00	
JV Société Equatoriale de Ruffinage JV Société lyalrogue de Ruffinage	1965		FCFA 1,200,800,000 FCFA 1,000,800,000	18.75	
N Société Malgache de Reffisage	1364		FMG 750,800,100	7.5	() 연구 : 글
JV Metional Patroleum Finance of South Alfren (Pry) LtdMATHEF		Sant Africa	F15,006,000	-1	DTALReting 36.00
S TOTAL Refineries Australia Ltd.	1.802	Australia	As-4,500,000		South Africa TOTAL DR TOP 180
•			77.7.	¥	Contributed
S TOTAL Lamond Mr.	1535	ILEA	US; 1,100	_	Australia TUTAL
	٠.				(M)(A)
JV Societé Ameryme de la Roffiescie des Antilles	1363	1980	F 25,000,000	15.00	
Fetrochemicals	7400		Code con en		
5 : TOTAL Chimin JV ATO Comm	7988 1970	France -	F300,000,000 F198,223,600		CFR 59.60 FBTAL Chimin 48.96
JV Aquitains TUTAL Emballings (ATO Emballings)	1954		F10,722,200		GTAL Chique 48.93
A Compagnia Française de l'Azota - COFAZ A Azotaca	1962		F192,587 890 - F11,000,800	ILTA {	Sthets 0.06
A Streetes Horsmann du l'Azona	1965	France	F4.060.000	. - :	COFAZ SELM
A Pétroprotésa A Société de Commissions Budyl-SOCANG	1955 1955		F8,390,900 F34,927,580	4 : <u>2</u> -	CFR 34,161
JY Société Industrielle de Pulyalitimes	. 133	France "	F70,000,000	75.M	CER 25.00
Transportation and Storage S. Corpospie Navale des Physics—CSP	1831	Posecu	V 50,000,000	74.57	CAN 25.00
A Compagnia Amilláire de Havigation CAN JV Seciles du Pipalinu Sud-Européen	1112	Francis	FILTELIES.	5.54°	CIP (GR) 14.53
Al Seciti des Transperts Pitrollers per Pinning	1958	Prinacu.	F300,000,000	7.38	CFR 7.30 CFR 18.11
TRAPIL.	1950	Frame	F 50,000,000		7050 10.09 Robers 8.80
JV Serieti in Pipulies Waltermais Males	- 1992	France	F S S S S S S S S S S S S S S S S S S S		CFR 21,00 TCFD 10,00
JV Società de Stendargo Bilakojique elas de Skil de					TRAPE: 530
Wasseque GERSEL MANOSONE JV Geomines-Case	1967 1967	France	FE486.180 FE480.280	-	OR 25.78
S Compagnia Cacactameiro de Dáplitz Pátroliura	1947		FCFA 150,000,000	W.55	CFR 38.50
S Diépét Oséan Congo	1953	Chings	PCFA 159,000,000	−π	TAL Akrigus \$1,10 Suest
Distribution					CFB 34.63
8 TOTAL—Compagnie Française de Sintelhetina-TCR	1965	Frame	F171,051,458	S.III.	CAPIC 48.32 Dilum 0.23
C TOTAL GAT Communic Secretar for Small in 1881.	. cars	E		- 1	CFR - 72-72
S TOTALSAZ-Compagnio Françaino des Gaz Ligalidas		-	F40.000,000	-1	CAR 4.96
JV Sazikté Anonyme des Pitroles Mory—BAPM * 5 THTAL Off Breat Britain Ltd.	1993	France -	£ 27,000,000	48.57 180.06	
S TOTAL Reservand M.V. S TOTAL Belgines S.A.—TOTAL Belgie M.V.	1935	Matherlands Reistern	F110,000,008	100.08	
5 Demants TOTAL Gan half—OFTO	1965	West Deimony	COM 25,800,000 .	100.00	, <u></u>
S TOTAL Suisen S.A.	1957	Hest Sammy	DM 2,500,000 SF 25,600,000	50.00. 51.86	
5 TUTAL Austria Carlett. 5 Permium S.A.	1957 1948	Austrig Gumos	Seá 59,000,000 Dr 57,500,000	186 H	
S TOTAL Espeile S.A. N Section Recipied in Principles See at 1984	1984	Spain Partieus		3,00.00 ··	BET 4.00
S TOTAL Secieta Italiana per Azioni S TOTALGAS Italiana S.A.A.	1937	ludy : .	1,23,800,000,000	100.00	→
S TOTAL Liber S.A.L.	151 151	italy Laborate	1,2,000,000,000 1,610,000,000	31,65	TALSIAL 1872
JV TOTAL Tenisio JV Fina Tunisiones S.A.	1948 1947	Taritie	DT 130,000 DT 430,000	· . <u>-</u>	OFF 49.99
S TOTAL Marine Small	1567	Force	DH 17,000,000	99.96 180.00	=
S TUTAL Nigeria Ltd.	1966	Nigatio .	£WA 1,500,000	97.86	
S TOTAL Shams 114. S The Hills trapert and Trading OE Co., Lat.—NETOC	1966 1355	States	NC 1,200,808 1,50 286,000	100.00	OFF 180.00
S., TOTAL Nor Rouge	1950	Diberti	FELS 60,000,000	8.62 {	OFF SENS
S TOTAL Oil Products (East Africa) Ltd., JV TOTAL Ugandy Ltd.	1965 - 1966	Kenyo .	ICSH 23,006,000 -		OFF 190.88
S TOTAL Taxania Ltd.	1996	Tanzania	TSH 2.500,000	-1	OFF \$8.00
TOTAL Zeshie (14.	1950	Zambiu	ICNA 500,000	100.00 .	Others C.E.
S TOTAL Malawri Ltd. S TOTAL South Africa (Ptr.) Ltd.	1963 1954	Malend South Africa	KM6A 18,090 R 18,000,680	99.95 70.83	
S 70TAL Manufacture Lpd.	1364 1858	Fixoco Magrities	F 10.080.000 RMs-800.000	73,53	
S TOTAL Pacifique Salr.L	1983	Hew Caledonia	FCFP 31,090,900	25,20	Vazines 0,81
S TOTAL-Australia Lul.	1854	Austrajia	As 9.000,000		TOTAL DE 199.96 accollàted :
S. An TOTAL France	. 1957	France	F 16.890.000	5138 A	atralia LpL
S TOTAL International Ltd.	1956	Serizational Bormuis	SF 500,000 BEs 77,006	45.48 99.89	
S TOTAL Trading International S.A.	1267	Self-self-self-self-self-self-self-self-s	SF 500,000	48.88 .	OPSA 14,00
S' TOTAL Transport Corporation	1856	Passes	US\$ 1,000,000	98.00	OPSA 14.00
Research and Technica? S Compagnie Française des Pétroles (Genties et				٠٠	
Recherches)—CFP (SR) S Compagnie Française des Pâtroles (Bárageo)—CFP(1)	1827 8) 1955	Prince -	F1,500.008 F299,500	99.84 19.35	1,
S Domina de Recherches et d'Expleitations Pétrolières —UMINEX	1957	France	F45.000.000	68.00	·_ ·
A Compagnio Sémirals de Géophysique	1921 1952	France France	F 15,720,900	1.28	Opening 40.00
N Compagne Maritims & Experimen—Custox M E.B. Dona	1985.	France -	F7,600,000	_ i	Omples 8.00
A Seculat Maritima de Servicus-SSMASER	1820	France	F12.000.000		Others 0.91 CNP 42.80
A Compagnia Françaige d'Etnées et de Cancillation	fast	FEMORES .	T12/W6/888	{	E. IL Vans 20,00
TECHNIP III Sabasa Egylpmant Associates List.—CSM.	1958	France "	F8.812.400	18.22	manufacture Service
Figure 5 and lorestment Communica	1972	Secreta.	US\$12,600	- J	essential tel. Helia
S Commun Français de Pétroles-GFF	1920	France	P78,038,900	\$1.10	-
8 Société Française des Combestibles Liquides—EFCL. S Combem de Pétroles S.A.—OPSA	1928 1840	Switzerland	F12,000,000 SF18,007,000		OFP 84.95
A Crédit Chimique A Secuntar	1886 1928	France France	F 30,000,000 F 90,407,600	23.71	SFCL 44.97
8 Compagnie Auxiliaire de Macemants industriais et Compactions — CAPIC	1948		F48.500.000	1.12	CFR SEAS
N Groupement laterprofessionnel Finageing Antipolitation	n 1971	Francis Seath Africa	£7,371,590	. - .:	CFR 3.39
			R1,000,000	s	TOTAL 100.00 with Assiss
S TOTAL Holdings (Australia) Pry. Ltd. 5 TOTAL Oil (Company) Australia Ltd.	1956 1966	Antelle Antelle	As 18,000,000	M.45 .	TOTAL 100,00
		. : .			Heldings (Australia)
S. Paper and House Ltd.	1960	Animile Animile	As 5.000.014		Pty. Ltd. TOTAL OR SE21
				Con	TOTAL DE 1021 Bolidated Atraia Ltd.
S TOTAL DA Developments (Australia) Ptg. Ltd.				ME.SD · ·	
B. TOTAL Assertant Inc. N. Westural Ltd.	1970	Jermin	IDS 12.05	SELM ·	
A CORPHANCE			FYN, NW, NW	. –	SFCL 18.11
"The figures gives for TOTAL Potrologic (Both Ameri Roto : The fettors to frost of each company indicate th	•	-		i.	umber, 1972.
as follows:- 2 —Stabut Canadidates		N-Propertiens		- a contribution	- (ere,
A Associated Company Commission;	N —Em	apidin sat case		٠.	
	• •			·_ ::	
GENERAL INFORMATION	•		•	٠	

GENERAL INFORMATION

C.F.P. is a society amonyme (joint stock company) regulated under and in excordance with the laws of Pre 2 dated 24th July, 1966 and Decree in respect of commercial companies dated 23rd March, 1967, as amendad

1. FUTURE ANNUAL ACCOUNTS

C.F.P. will consiste to publish consolidated agreed accounts which, while retaining methods of presentation normally adopted by French compenies, will be prepared using accounting principles consistent with those used for the purposes of the Accountants. Report included in this Document. These consolidated accounts will be audited in accordance with the standards generally accepted in the United Kingdom and prepared in accordance with the requirements of The Stock Exchange.

The Bye-laws of C.F.P. ("the Company") contain provisions (interests) which are some

a secret ballot.

3. Our neighbor. The "A" shares are registered and are subject to restrictions on transfer which require them to be held exclusively by the French State (or State public bodies) or by French persons either individuals or corporations. The "B" shares on becoming fully paid up are either registered or beaver shares save that the "B" shares held by the French State (or State public bodies) must be registered and the formalities of transfer for such State "B" shares are those applicable to the "A" shares.

4. Dividends. The net profit (as defined by Bye-law 44) of the Company in each figurating year is on the recommendation of the Directors allocated at follows:

(i) 5 per cent. Is appropriated to legal reserve fined such measure fund is equivalent to 10 per cent. of the issued share capital. This appropriation is required by law only if and to the extent that the legal reserve fund falls below such percentage;

(a) such a percentage as the Company in general meeting thinks fit is expropriated to a contingency meaning fund;

(iii) such a percentage as is required to pay a non-casualative first dividend of 6 per cent. on paid up share capital is applied for that purpose;
(iv) such a percentage as the Company to general meeting thinks fit is allocated to reserves for specified.

purposes;

(v) such a percentage as the Company in general making thinks fit is carried forward;

(vi) the surplus is divided as to 5 per cent, to the Soard of Directors and at to 55 per cent, to the shareholdest.

(In 1970, 1971 and 1972 the Board's above of this surplus was, at its own request, familiar to F.S.DOC.COC.)

Payment of dividends must be made within nine months from the end of the financial year.

5: Reserves. All or any part of the reserves of the Company (other than the legal reserve fund) may by resolution in general meeting on the recommendation of the Directors be distributed to shareholders in cash or shares per retain to shareholders in cash or shares.

6. Amortisation. The Company in general meeting may decide on a partial or total amortisation or redemption of the whole or any part of the insued share capital of the Company. In exchange for any shares so amortised or redeemed, a shareholder receives a participation certificate which confess on him all rights attaching to unredeemed share other than the right to a return of share capital on hquidation.

capital on liquidation. After discharging all liabilities and squidation expenses, simples states are explicit first in repaying to shareholders (other than to holders of anomalies depicted paid up on their holdings and according in repaying to shareholders from a mount of any meaner firsts standing to their code. Any existing supples in their divided between shareholders pro rate.

9. Variation of Rights. The rights of any class of shares may be modified only with the comment of an Extenditionary General Meeting of shareholders which to become first must be raidfied by a resolution of a special class meeting of the holders of the class of shares concerned, such resolution to be passed by a two-thirds majority of the voice held by those present and voting in passon or by private.

The Company in general meeting alone has the pight on the recommendation of the Detoctors to sanction a increase in the capital and to fix the terms make delegated to the Board provided the increase in issued state capital is affected within five years from the detof the relevant alteration deed resolution.

of the relevant attended of resolution.

On any increase of capital the French State has a right to subscribe for such a number of shares as will ensure that it holds not less than 36 per cent of the issued capital of the Company subject to the State at all times exercise that it holds not less than 36 per cent of the issued capital of the Company subject to the State at all times exercised its subscription rights for full, in so far as such subscription rights are not fully exercised, its preferencel subscription rights on future issues are reduced pro rate. After giving effect to the right of priority of the French State, it Directors that specify which of the shares in the increased capital are to be offered on the authority of the Commissaires du Gouvernement in priority in French individuals or companies (whether or not shareholders). It belance remaining must be offered first pro-rate to the existing shareholders other than the French State. (In the event of an increase in the issued capital, the Board of C.F.P. has undertaken to obtain the shareholders permits in general meeting prior to issuing for each any shares other than to existing shareholders and see paragraph 1 "Miscellandois".)

1. The Company is administered by a Board of Directors consisting of at least six and not more than twek members appointed by the shareholders in general meeting. All Directors must be of French nationality and the appointment approved by both the Minister of the Economy and Finance and the Minister of Industrial and Scientific Development in France. Under Franch law any Director who has any material interest in a proposal, arrangement contract must declare his interest and is not permitted to vote thereon.

2. Each Director must own beheficially at least 20 "A" or "B" shares as qualifying shares. Those shares a registered, are non-transferable and are deposited with the Company for the duration of his duries.

3. If a company or public coprotate body is appointed as a Director it must designate a permanent representative to the Board and acad least than 70.

The acceptable to the Soard and aged less than 70.

4. A Director holds office for six years at the end of which he retires by rotation. A Director may remain office after staining the age of 70 years as long as the number of Directors aged more than 70 does not at the er of the financial year exceed one third of the Board. If this limit is exceeded, the oldest Director is eutomatical deemed to have resigned.

5. When a vecency occurs it may be filled by the Board nominating a new Director subject to ratification the next Annual General Meeting. A Director so appointed acts for the remainder of the period of office of introderseasor.

edecessor.

6. Directors receive in addition to the allocation of a shere of the net profit of the Company, as indicated above accionce-fees the amount of which is fixed by the shareholders in general meeting.

7. The Chalismen of the Board of Directors is responsible for the management of the Company. He management to the Board that one or two general managements be appointed to assist him. The general management of the Board that one or two general managements be appointed to assist him. The general management of the Board that one or two general managements and was also account an advisory committee which

ressumy naverto neumoesh from smonger the Directors. The scend risky east appoint an earsony committee by practical Directors in its number.

The share of net profit and extendence fees referred to above and due to the Board are allocated among mbars as they deem fit. A Director who has been appointed to the advisory committee may be paid a portion of these emoburacies than other Directors. The Chairman of the Board, the general managers and confines may receive fixed salaries and/or commissions which are treated as part of the operating expenses of the control of the c

8. The Chairman and the general managers cause to hold office not later than their sixty-fifth birthday.

The Minister of the Economy and Finance and the Minister of Industrial and Scientific Development in France and his the power to appoint a permanent representative to the Board known as a Commissaire du Gouverneme each of whom has the power and the duty to ensure that the rights and interests of the State pursuant to the state or derived from the agreements with the State (referred to below) are duly exercised and protected. To this and if Commissaires du Gouvernement have the same powers inter aim as those of the Directors and may assuring a same rights of investigation as are vested in the Company's Auditors.

Borrowing Powers Apert from the issue of debestures and loan stocks which the Board of Directors cannot undertake unless.

3. AGREEMENTS WITH THE STATE ("THE CONVENTIONS")

The French State enjoys cartain rights and privileges as a chareholder in C.F.P. stising from the 1924 and 193 eventions both of which were retified by the French Parliement by an Act deted 25th July, 1931.

This was signed on 17th May, 1824 and its main provisions (seletar amended) may be summarised as follows:

(a) C.F.P. was sumhorized to acquire the Franch Susa's interest in IPC.

(b) The State was granted a preferential right to purchase in wartime up to 80 per cont. of the patroless products vesting in C.F.P. by reason of its participation in IPC.

(c) The perior agreed that the profits accruing to C.F.P. from its investment in IPC and its sister company were to be peld into a special account in the books of C.F.P. and after payment to C.F.P. of a 10 per car ournulative dividend on its investment and after appropriate transfers to reserves, the surplus profit is maining was divisible between C.F.P. and the French State according to the tarms and conditions set go in the 1924 Convention, the amount due to the State being the Share of the French State in Super-Profit effected to in the Accountants' Report.

The 1930 Convention

This agreement was signed on 20th June, 1930 and its main provisions (as later amended) may be sum

(e). C.F.P. agreed with the French State to Increase its capital and to issue the "A" shares to the State and a many "B" shares as were required to give the State initially a 25 per cent, holding in the equity of C.R.J. with an option to increase it to 35 per cent, which option was exercised by the State on 18th August, 18th C.F.P. agreed to smead its statutistic ensure that adject to the State's holding being not less than 25 protect of the issued share capital, the State would have voting rights equivalent to us percentage share holding plus 5 per cent, of the total votes capable of being cast at any general meeting. The state was all given the right to appoint two Commissaers du Gouvernament whose functions and powers are referent to above.

to above.

C.F.P. and the State agreed therethey would, either jointly or in conjunction with any other State approve third party, at all times retain control of CFR. To this end C.F.P. undertook that in the event that it wishs to sell any afteres whose disposel would reduce its holding to less than 48 per cent., it would transfrach alteristic only to the State or any State approved third party.

Purthamore C.F.P. agreed to take up all the shakes of CFR which might be allotted to it pursuant to rights less by CFR.

4. ISSUES OF SHARE CAPITAL

At-21st September, 1971, the share capital of C.F.P. consetted of 90,329 "A" shares of F.50 each an 18,908,608 "B" shares of F.50 each. 506,608"B" share of P.50 each.
Since that date other than issues by wholly owned publishing of C.F.P. to C.F.P. or other wholly owns sides of C.F.P. the following issues of shares have been made by C.F.P. and its subsidiaries.

subdistries of C.F.P. the following issued of situates travolaters made by C.F.P. and the subsidiaries:

(i) In October, 1971, C.F.P. issued 10,416 "A" shares of F.50 each and 2.364,451 "B" shares of F.50 each is a price of F.160 per "A" or "B" share by way of rights to the trian existing shareholders in the proportion of obe new shares for every eight shares them had to the designation of the new shares as "A" or "B" share by way of rights to the trian existing shareholders in the proportion of obe new shares as "A" or "B" share belog determined according to the provisions of the 1930 Convention:

(ii) In December, 1971, C.F.R. issued 1,177,000 shares of F.50 each by way of capitalisation of reserves to the them existing shareholders in the proportion of one new shares of F.100 each hy was of capitalisation of reserves to the them existing shareholders in the proportion of one new share for every four shares then held;

(iii) In May, 1972, Società Française des Continuatibles Liquides issued 19,957 shares of F.100 each by was of capitalisation of reserves to the them existing shareholders in the proportion of one new share for ever five shares then held, except that Omnium Français de Pétroles (a subsidiary of C.F.P.) resourced a rights in-respect of 258 of its then existing shares;

(iv) In December, 1972, TOTAL Chimfe issued 2,000,000 elseres of F.100 each at par, 50 per cent of this issue was subsectible by sent of C.F.P. and C.F.B.

On the 13th September, 1973, the Board of TOTAL Patrolsum (North America) Limited, which is listed on the Petric and the American Stock Exchanges, resolved to issue U.S. 915,000,000 of Can 81 Ordinary Shares at a proceeding and Exchange Contribution and subject thereto is scheduled for late October 1973.

The following is a list of properties of the TOTAL Group which are of meterial importance to C.F.F. and at sticilizates, all of which are freebold, succept where otherwise indicated —

٠.	,T.	Offices	1.1	5 - 4 To 1 - 1 - 1 - 1		• •
١	-	Paris 16 ème Levallois, He	market Carlo	J. 1971 - 1871 - 1871	.11.134	13,500
	2	Residential			8,200	1,261
		38 fists in Par	No.		<u> </u>	3,600
	-	- Поплетие		·		0,000
			Situation	Approxime Site Area		
		10 15 2 10		(Hacture)		· Nate
•	Au		- 11 (1.45) 1			,450-
		La Mède, Ma	e Havrs. ("Normzedia reale. ("Provence")	(T) 422 232	CFR CFR	1 1
	•	Herrisbean, S Heuconcourt	strasbourg -	300	Reffinarie de Sussiculos	
٠.	Gra	et Britsin	Merc	,,110	Société de la Raffinarie de Lon	olne
		immingbom, i	Lincolnahire.	392	Lindsey Oil Refipery Limited	
•	(CM)	Triesta				
		Marries	8	100	Aquila S.p.A.	
٠.				-	Industrie Chimiche hallane del Petrolio S.p.A.	
	- ,	Villabanta Mil	lari.	100	Reffinenz di Roma S.n.A.	•
	New	hestands		55	Lomberda Petroli	
	200-	Vilstingen		200	TOTAL Raffinederij Nederland	NV 2
	SAMP.	ot Germany Klamanthal	1.1			Mir,
•	• •	Doisburg 1		35	Saurland Raffinerie G.m.b.H.	
	Unit	sed States of A	munta	. 44	Erdől-Raffinerie Duisburg G.r	n.b.H. 3
	Son	Alma, Michiga	10	148	- Total Leonard Inc.	
•		Secolburg		200	Manual Programme and the second	
	i		1, 1	200	National Petroleum Refiners of Africa (Pty) Ltd.	South
٠	RUR	relie 😬				

TOTAL Refineries Australia Ltd.

(1) The site of the refinery "Normendie" at Gonfreville. Le lievre, is held on a concession from the Port of Le Havre sopiring on 14th-March, 2000 stan indexed reints. which is currently F.1.400.000 per annum.

(2) The refinery at Visiongen is under construction.

(3) The refinery at Deisburg is held on a lease expliring on 31st December, 2000, at a current ennual rental of BM 320.000 which is subject to review in 1979 and every five years thereafter.

(4) The refinery at Mannetile, Sydray is held on a lease at a current ennual rental of A 5120,000 which is subject to review in 1975 and every seven years thereafter. This lease is perpetual so long as TOTAL Refineries.

Australia List: maintains a refinery on the land.

Australia List: maintains a refinery on the land.

CFR and TOTAL Compagnia Française de Distribution, own freehold 2.140 filling stations and 94 depots in Française and the TOTAL Group, owns freehold 3.800 filling stations and 250 depots outside Française and addition 15,024 filling stations owned and operated on lessehold or other arrangements.

8. MATERIAL CONTRACTS

The following congrets, not being contracts in the ordinary course of business, have been entered into within two years before the date hereof and are or may be material;—

1. Ekofisk

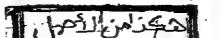
A series of Agreements, save where otherwise specified 25 defect 10th August, 1973, relating to the North Set and yes field known as Elsofisk:—

A series of Agreements, save where otherwise specified all defed 10th August, 1973, relating to the North See all and gas field known as Beofists.

1. The Philips Group Agreement dated 20th July, 1973; between the oil companies, the parties thereto.

2. Losts Agreement dated 70th August, 1973 between (1) Noppine A/S ("the Borrower") (2) the members of the Philips Burists (Borrower and See Section 1985). That Netholad City Bank and Societé dérente de Banque S.A. and certain other banks ("the Benks") whereby the Banks granted to the Borrower a loss facting of U.S. 6370,000,000 fors total period of 10 years are interest rate of 2 per cent above the weighted average of the London inter-bank Euro-currancy borrowing and award balances repeyable to half, yearly installments commencing (our years from the dote of agratuse and the themselves to the Banks and entired into certain coversants with each other with the Borrower and with the Banks and entired into certain coversants with each other with the Borrower and with the Banks disanges for which it night become labile as again to balance of the Borrower.

3. Loan Agreement dated 10th August 1973 between (1) Norther Petroleum U.K. Limited and (2) and (3) U.S. 4130,000,000.



)r. Main joins Boots Board

The Financial Times Monday September 24 1973

Orlando Oldham has re-as a director of ROYAL ESTER, as his appointment ne company has been ter d by mutual agreement.

Peter Maitland is to join the of GLANVILL ENTHOVEN

Brian Bennett and Mr. Mark mi have been appointed managing directors of the division of DIXON'S OGRAPHIC.

T. R. Lister has been sted a director of WOMB-, FOUNDRY AND ENGIN-

John C. Gardner, a vice-lent of the FIRST NATIONAL. BANK, has been assigned idon as director of European.

Peter T. Main, director of and company secretary of the will become consultant to the ch, has been appointed to LEVEX GROUP. Mr. William association.

Board of THE BOOTS Fisher, deputy chairman of the Fisher Walters Group, has been elected to the Levex Board as a non-avenuing director.

Mr. Stephen Crown and Mr. Pariet Robers have been an elected to the Levex Board as a non-avenuing director.

Mr. Leebard B. Boyle has been elected president of the FEDERA-TION OF SAVINGS AND LOAN Brian Bennett and Mr. Mark
ni have been appointed managing directors of the division of DIXONS
DGRAPHIC.

TION OF SAVINGS AND LOAN
INSTITUTIONS FOR CONSTRUCTION by the European Congress of Building Societies. Mr. Boyle its chairman of the Building Societies. Mr. Boyle its chairman of the Building Society. London, and general manager of the Principality Building Society, Cardiff.

f GLANVILL ENTHOVEN Mr. J. W. Hayter has been and also of Glanvill appointed an executive director of a (Overseas).

PICKFORD DAWSON AND HOLLAND. Mr. Hayter has acquired an interest in the company.

Company of WESTINGE ELECTRIC CORPORATION.

Mr. W. P. G. Wilson is to become about 150.

director of the PAINTMAKERS Three blocks of unit factories Nicholas Coleman, formerly ASSOCIATION from January 1, to are being built at the Grange and director of Nova Knit, has succeed Mr. Kelth S. Florry, who negotiations are in hand for appointed finance director retires at the end of this year and further lettings.

INTERNATIONAL PUBLIC TENDER NRO 1/73

EMPRESA LINEAS MARITIMAS ARGENTINAS SBMA

(ELMA S.A.)

(ARGENTINE STATE LINE)

Calls for international public tender NRO 1/73 for the building

of up to twelve multipurpose cargo vessels of internationally

recognised type, estimated value of the contract 100,000,000

U.S. dollars. Tenders will be opened at 1500 hours on 22nd November

next. Further details as well as sale of tender documents (value

1,000 U.S. dollars) to be obtained from: Empresa Lineas Maritimas

Argentinas S.A., Departamento Abas Tecimiento-Division Compras,

Av. Antepuerto y Av. Maipu, Buenos Aires, Republica Argentina.

CORRIENTES 389 BUENOS AIRES REPUBLICA ARGENTINA

TELEGRAPHIC ADDRESS: ELMA BAIRES

LINEMAR-012-1722

LINEMAR-012-1167

TELEX: ELMA BA-012-1587

DAF (G.B.) surcharge

By David Walker

on prices

Mr. Stephen Crown and Mr. Patrick Rohson have been ap-pointed directors of WILLINGS DAF MOTORS (GB) is to introprices of its Dutch-made car range because of the continuing INTERNATIONAL fluctuations in currency values.

Mr. O. J. Owen has been appointed a divisional director of the financial institutions division of the guilder and follows by less than a week the announcement Mr. R. Sperryn-Jones a divisional director of its American nonof increases of between 3 per ent, and 6 per cent, in the price marine division.
Mr. P. J. Maitland has resigned of most DAF models sold in this

VEHICLE GROUP

his directorships with effect from September 28 on leaving the country. najor car importer to introduce Hartley Cooper group. a floating surcharge on

Last month, a similar scheme was aunounced by Volkswagen GB and its associated company, Audi NSU GB.

MOVES TO

MOVES TO

WARRINGTON

One block of Warrington New in 1962 and became financial director. Town's unit factories at the form in 1971.

Mr. William L. Hayward has been let to a newly-established company of commercial vehicle which company of commercial vehicle in 1971.

Mr. William L. Hayward has been let to a newly-established company of commercial vehicle in the pound, and is likely to be changed on a monthly basis company of commercial vehicle company of comp

The company has started recruiting staff estimated at 50 in early stages, increasing later to currency markets re-open.

ScanDutch ship group expands

THE SCANDUTCH containership group is using smaller vessels to expand its "feeder" services to more areas and countries in the Far East. It already has six large vessels operating on a regular 10-day schedule between Europe and the Fast East.

"Mainline" ScanDutch ships serve the ports of Gothenburg, Hamburg, Bremerhaven, Rotterdam, Singapore, Hong Kong, Kobe and Tokyo. "Feeder" services are also in full operation between Kobe and Pusan on the Hong Kong-Keelung and Haohshung-Kobe route, and in Europe hetween Hamburg and Helsinki, Bilbso and Rotterdam, London and Rotterdam.

HUMBER AIRWAYS' FOURTH AIRCRAFT

Humber Airways, air taxl and air charter operators and a member of EWL—the Transport Division of Ellerman Lines, has added a fourth aircraft to its fleet-a new Piper Aztec E. It joins the two nine-seat Britten Norman Islanders and another Piper Aztec in Humber Airways' fleet. | Severn Gorge.

وكذامز الأحمل

These bonds have been sold outside of the United States of America This announcement abrears as a matter of record only.

NEW ISSUE (Tokyo)

July,1973

¥20,000,000,000

International Bank for Reconstruction and Development

Japanese Yen Bonds of 1973 — Sixth Series Due July 14, 1988

Interest Rate 7½%

Interest payable January 14 and July 14

Price 99½%

The Nikko Securities Co., Ltd.

The Daiwa Securities Co., Ltd. Yamaichi Securities Co., Ltd. The Nomura Securities Co., Ltd.

The Nippon Kangyo Kakumaru Securities Co., Ltd.

New Japan Securities Co., Ltd.

Sanyo Securities Co., Ltd. Wako Securities Co., Ltd. Ichiyoshi Securities Co., Ltd.

The Chiyoda Securities Co., Ltd. Dai-ichi Securities Co., Ltd. The Kaisei Securities Co., Ltd. Koa Securities Co., Ltd.

The Maruman Securities Co., Ltd. Marusan Securities Co., Ltd. Meikomaruya Securities Co., Ltd. The National Securities Co., Ltd. Mito Securities Co., Ltd.

Osakaya Securities Co., Ltd. Okasan Securities Co., Ltd.

Tokyo Securities Co., Ltd.

Towa Securities Co., Ltd.

The Toko Securities Co., Ltd.

Toyo Securities Co., Ltd.

Koyanagi Securities Co., Ltd.

Nichiei Securities Co., Ltd.

Yamatane Securities Co., Ltd.

Yachiyo Securities Co., Ltd.

TELFORD PLANS FOR BANK AQUATIC CENTRE

Department of Environment approval for an aquatic centre and recreational and sports area

Banking Group.

The Rad Ironbridge, is being From next week, Mr. Penfold

The Rad Ironbridge is being From next week, Mr. Penfold sought by Telford Development will spend about three months in Sweden, studying official controls

appearance of the area by opening another section of the river bank four children. He is a member of the people to enjoy in the Severn Gorge.

Severn Gorge.

The visit will intended periods with banks.

Mr. Penfold, 33, is married with four children. He is a member of the economics office staff of his banking group.

TRIP TO SWEDEN THIRD EDITION OF GROUP ACCOUNTS AWARD WINNER BOOK READY

The Bank of England European Banking Scholarship for 1973 has been won by Mr. D. Penfold, of the National and Commercial The third edition of "Bogie on Group Accounts" has been published. The edition has been extensively revised and extended. Likely to cost over £54,000, the compared with those in the U.K. scheme aims to improve the His visit will include periods with tical ready reference book for accountants. For the senior stu-

FREIGHTMASTER PLANT EXPANDS York Trailer Company, which

nakes Freightmaster, the frameless semi-trailer van, truck equipment and ISO shipping containers, has spent more than £350,000 on buildings and equipment at its Northallerton factory. It has launched a labour recruit-ment in Yorkshire and the North-

East, particularly in areas where there is unemployment. A vehicle with members of the company's personnel staff will visit York,

Compagnie Française des Pétroles

5. (a) Losn Agreement dated 18th April 1973 between (1) the off companies listed in exhibit "A" thereto Philips Petroleum Company Norway (3) the saveral banks named in exhibit "B" thereto (4) the Chase

metten Bank N.A. for the loan to the oil companies of U.S. \$150,000,000 on or prior to the 30th June, 1975 yable to half yearly instalments between then and the 15th May, 1980 besting interest at 2 per cent. per annum vs the weighted everage of the respective inter-benk offered retes.

(b) A Letter of Guerante's dated 4th April, 1973, from C.F.P. to the and Banks gueranteeing the Indobted-tof TOTAL Maritze Norsk A/S under the Agreement referred to above.

5. A Throughput Agreement between (1) the oil companies fisted in the schedule thereto (2) Norpipe A/S Norpipe Potroleum U.K. Limited concerning financing of pipeline systems from Ekofisk to Teeseids and Emden, many.

Norpipe Porroleum U.K. Limited concerning financing of pipeline systems from Ekafisk to Teesside and Eraden, meny.

7. A Throughput Agreement between the same parties as in Contract 6 save that Norses Pipeline Limited is strated for perties (2) and (3) concerning financing of processing facilities at Toesside.

8. A Throughput Agreement between (1) the oil compenies listed in the Schedule thereto and (2) Norses A/S concerning the installistions at Enden. Germany.

9. An Agreement duted 18th May, 1973, botween (1) be Norsks Stats Oljeseistap A/S (2) the members of Phillips Group relating to the farmation of Norpipe A/S to construct own and operate pipelines from Ekafisk to seido and from Ekafisk to Eraden, the Phillips Group to provide for ninety per cent. of the loan capital required.

10. An Agreement dated 20th July, 1973 between (1) Stated U.K. (2) the Phillips Group U.K. as therein ned relating to formation of Norpipe Petroleum U.K. Limited to construct, own and operate storage and onehore lites at Toesside, the Phillips Group U.K. to provide for ninety per cent. of the loan capital required.

The combined effect of the above Agreements is to provide for the construction operation and use of pipelines (cents from Ekafisk to Telesside and Enden; to oblige collaries of C.F.P. to ship sufficient cell or gas through such pipelines and to make sufficient use of such shore liters at turiffs in lorde from time to time to service 4.047 per cent. of the total designated dots obligations of the row or referred to in Agreements 8, 7 and 8 or to make deficiency payments in fieu, such deficiency payments in getfocurely guaranteed by C.F.P. by their signature to Agreements 8, 7 and 8.

Loan Issues

Loan Issues

1 An Agreement made 3rd Merch, 1972 between (1) Omnium de Pétrolas E.A., Genève ("Opas") (2)

1 An Agreement made 3rd Merch, 1972 between (1) Omnium de Pétrolas E.A., Genève ("Opas") (2)

2 An Agreement made 3rd Merch, 1978-87 guarenteed by C.F.P. redeemable from 10th April 1976 at

3 DOC 000 of beerer bonds 62 per cent, 1978-87 guarenteed by C.F.P. redeemable from 10th April 1976 at

3 DOC 000 per annum on the 10th April in each of the years 1983 to 1986 provided Opas repurchases in the

4 reduction of the 60 days praceding any such 10th April any bonds available at a price equal to or less than their

4 reduction whole usus for a commission of 3 per cent.

5 Quarentee established to Contract II 1 by C.F.P. guarenteeing repayment of the capital, interest and premium

5 An Agreement made 31st August, 1972 between (1) TOTAL Raffinaderij Nederland N.V. ("TOTAL")

1 Maatschappin to behear van het Agrinistratielandor opgericht door Hubrecht, Van Harenor-spel & Vas Visser

1 ("Into Trustee") whereby TOTAL undertook to create and issue Dutch Fl.s. 80,000,000 beerer bonds 7½ per

1 1978/1987 guarenteed by G.F.P. redeemable at per in 10 equal drawings on 1st October, 1987 to 1987

1 Listre, whole or part accelerated redemption being permitted on 1st October, 1982 to 1986, inclusive at 101½ per

11 1982 to 1984 theresiter reducing by § per cent, per annum.

4 Guarenteed draw dated aller August, 4972 between (1) C.F.P. and (2) perty number (2) in Contract II 3

1 guarentee C.F.P. guarenteed repayment of the capital interest and any premium on the bears' bonds under

1 ontract II 3.

1. An Agroement dated 15th May, 1973 made between (1) C.F.P. (2) Volkskas Limited (3) Union importation Limited and (4) South African Mutual Life Assurance Society ("SAM") under which C.F.P. agreed to it in SAM 1,800,000 shares of 50e each in TOTAL South Africa (Pty.) Limited for R.2.088,000 in cash and SAM iteral to long to TOTAL South Africa (Pty.) Limited R.2.000,000 for a fixed period of five years expiring on

th April, 1978.

An Agreement dated 18th June, 1973 between (1) Rössing Uranium Limited ("Rössing") (2) Rössing liding Company Limited ("Holdings") and (3) TOTAL-Compagnia Minière et Nucléaire S.A. ("TCMN") and an Agreement for the side by Rössing to TCMN of usankum concentrates between 1981 and 1990 and the felloy Holdings to TCMN of 720,000 fully paid "8" shares of 10s each in Rössing for U.S. \$3,800,000 an cash. Min further agreed to make an unicounted and interest fine U.S. \$10,000,000 losts to Rössing as to U.S. \$0,000,000 not later than 1st July, 1976 and as to U.S. \$8,000,000 not later than 1st July, 1978 to be repeid by a supply of the said concentrates.

"3. Monorandum of Agreement dated 18th June, 1973 between (1) The Ric Tinto-Zinc Corporation ("BTZ") and (2) C.F.P. under which RTZ and C.F.P. agreed to produce their respective subsidiaries strong. Holdings and TCMN to implement the terms of the above Agreement.

"4. Letter dated 18th June, 1973 from C.F.P. to Rössing and Holdings under which C.F.P. guaranteed the stormance of the obligations of TCMN under the Agreement numbered 2 above.

7. An Agroment dated the 10th Merch, 1973 between (1) The British Petroleum Company Limited ("BP") C.P.P (3) Mitsul & Co., Limited ("Mitsul") (4)Bridgestone Liqueted Ges Co. Limited ("BS") and (5) Abu habi National Cil Company ("ADNOC") being an Agreement relating to the formation of financing and operation the Abu Dhabi G8s Liquetestion Company Limited ("the Liquetestion Company") for the production and elivery of natural says from the Emission of Abu Dhabi, C.P.P.'s percentage holding in the equity of the Liquetestion unusury being 13st few cent.

7. A letter of guarantee dated 6th June, 1973 from C.P.P. to Mitsul under which C.P.P. guaranteed 13st per and the interfection of the production of the C.P.P. guaranteed 13st per and the production of the C.P.P. guaranteed 13st per and the production of the Interfection Company under a Lean Agreement dated 22nd Merch. 1973

?. A letter of guarantee dated 6th June, 1973 from C.F.P. to Mittail under which C.F.P. guaranteed 13; per ent. of the unintered indebtedness of the Liquefaction Company under a Loan Agreement dated 22nd March, 1973 and both een (1) Mittail and (2) the Liquefaction Company under which Mittail agreed to make loans to the quinfaction Company of U.S. 6148 500,000 and Japanese (Free) Yen 32.200,000,000 repayable in equal helf antly instellments between July 1977 and July 1985.
3. A lotter of indomnity dated 6th June, 1973 from C.F.P. to Mitsui under which C.F.P. agrees to indemnify lifetii against 161 per cent. of its loss mixing from any failure to recover under the Insurance Agreement in respect I the and John made between (1) the Government of Japan and (2) Mitsui under the Japanese Export Insurance on (1) the No. 87 of 1960.

See (Low No. 87 of 1950).

4. A subordinated Lean Agraement dated 22nd March, 1973 between (1) Missui (2) BS (3) BP (4) C.F.P.

5) ADNOC and (8) the Liquefaction Company ander which the parties (1) to (5) agree to lean U.S. \$11,000,000

9 th Liquefaction Company in their equity holding proportions (C.F.P. 13) per cent.) at 6 per cent. per annum shorts such lean to be drawn down and repaid as considered expedient by the parties.

5. An Agreement deted the 19th March, 1973 between (1) BP (2) C.F.P. (3) Missui and (4) BS relating to be formation of fine liquefact Gas Shipping Company Ltd. formed to transport the liquefaction date in the plant operated by the Liquefaction Company.

/. Massviakte Olta Terminal

1. An Agraemont dissell 3rd November, 1972 between (1) The British Petrolaum Company Umited (2) Ingli Petrolaum N.V. (3) Second Company of California being an Agraement relating to the formation, financing and operation of a jointly held company viacovisine City. Terminal C.V. ("Massylatin C.V.") to construct and operate a Crude Oil Terminal at Massylatins C.V.") to construct and operate a Crude Oil Terminal at Massylatins includer. Notificial risk, C.F.P.'s percentage participation in the project through a Notherlands subsidiary company seing 31.3 over cont.

icitudem, Nothinlands, C.F.P.'s parchilege participation in the project of the Community of

"Technip") for the design and construction of the Flanders Rehnery by Technip on a Turnkey Basis for the fixed sum of F.83 436,500 plus 3 per centadded value tax, the Catalytic Reformer to be paid for in addition at prime cost.

2. An Agreement dated 24th October, 1971 between (1) Anter Pétroles de l'Atlantique (2) CFR (3) Compagnie de Raffinage Shell Berre (4) Eff Union S.A. (5) Esso Standard S.A.F. (6) Mobil Oil Française and (7) Société Française des Pétroles SP baing a perticipation agreement for the formation of Société Géomines Caen with an initial share capital of F.200,000 of which CFR has taken up 30,60 per cent, to construct and operate an underground ges storage terminal with an estimated capacity of 5,000,000 cubic metres, the estimated cost of construction being F.125,000,000.

'YII Gulf States

"General Agreement on Participation dated 20th December, 1972 between (1) The States of Abu Dhabi and Saudi Arabis (2) oil companies listed in Annex 1 thereto including C.F.P.

"An Agreement dated 19m July, 1973, between (1) tran, and The National Iranian Oil Company and (2) the oil companies mentioned therein being the members of the Iranian Oil Consortium including C.F.P. (see "Relationships with Oil Producing Countries" above).

6. Iraq "Heads of Agrooment dated 28th February, 1973 between (1) The Government of Iraq and (2) I.P.C., Basrah stroleum Company Limited and Mosul Petroleum Company Limited (Including their shareholders and shareholders affiliates). Material Comrects available for inspection (see paragraph 14. "Miscalianeous" below).

The profits of and distributions by French companies are currently taxed in Frence on a basis similar to the lited Kingdom "imputation system" which came into force in April 1973, the tax credit imputed to shareholders ing known as the "avoir fiscel". Shareholders who are not resident in Frence will, however, receive their dividends

Shareholders rescent in the United kingdom, who are introduced or which are companies commonling less man 10 per cent, of the voting power of C.F.P. can claim relief under the Double Tax Treaty between France and the United Kingdom. This limits to 15 per cent, the amount of Franch tax charged on the dividends peid to them; the difference between the amount of Franch tax actually withheld from dividends and the 15 per cent, rate permitted under the Treaty can be reclaimed from the Franch Treasury, in addition, such shareholders can claim in respect of the avoir fiscal an amount equal to 50 per cent, of the dividend, but from this amount Franch tax at the rate of 15 per cent, in dividend.

the avair fiscal an amount equal to 50 per cent. of the dividend, but from this amount French tax at the race of 15 per cent, is deducted.

Accordingly, the effect of rebet under the Treaty is that such United Kingdom shareholders will receive in the aggregate from C.F.P. and from the French Treasury, net of French tax but before withholding of United Kingdom income tax, an amount equal to 1275 per cent, of the dividend psyable by C.F.P.

Dividends, including the avoir fiscal, received by residents of the United Kingdom will be liable to tax as income from foreign possessions under Case V of Schedule D. In calculating this liability, credit will be allowed for tax paid in France after taking into account any amount which may be reclaimed.

The overall tax position of a United Kingdom resident shareholder receiving a dividend from C.F.P. after 5th April, 1973 can be stusted as follows.—

United Kingdom United Kingdom

United Kingdom United Kingdom resident resident company 100 100 Dividend declared
French tax withheld on payment to non-resident (25) 75 Net dividend received in the United Kingdom United Kingdom income tax at 30 per cent, retained by United Kingdom authorised depositary
Net amount received from C.F.P. (X) (22.5) 52.5 52.5

Repayment from French Treasury: French withholding tax Avoir fiscal 52.5 105 Repayment from French Treasury (Y) Amount received by shareholder (X plus Y) United Kingdom tax assessment: Gross dividend for Umled Kingdom tax purposes 150 United Kingdom tax thereon: at (say) 30 per cent. for an individual at (say) 50 per cent. for a company Reisel for French tax suffered United Kingdom tex payable
United Kingdom recome tax retained by United Kingdom
authorised depositary (22.5) NB Belance of United Kingdom tax payable Net taxed receipt on aforesaid assumptions Net taxed receipt on aforecard assumptions

As a result of the introduction of the new U.K. system of taxation, the Anglo-French Double Tax Trenty is in the process of renegotiation and the position explained above may be attered.

Under current practice in France (a) United Kingdom resident exempt pension funds and similar exempt bodies may claim refunds of French lax. Including the avoir fiscal on the above basis, nowtherearding that they have no United Kingdom tax liability, and (b) the French Treasury will accept repayment claims made under the Treaty by trustees acting on behalf of named United Kingdom resident beneficiaries.

The above examples Hustrate the importance to United Kingdom shareholders of the cash payments made under the Treaty by the Franch Treasury. On the basis of a United Kingdom basic rate of tax of 30 per cant, as from 5th April, 1973 these payments will be equal to the cash actually received from C.F.P. in respect of any dividend.

Claims for relief under the Treaty to those liable to United Kingdom tax should be made on the appropriate form obtainable from the Insert foreign Dividends, Inland Revenue, New Maiden House, 1 Blagdom Road.

control of react under the insection of Foreign Dividends, Inland Revenue, New Marken House, I Blagdon Road.

New Marken, Surrey, KT3 488, as soon as possible after receipt of any dividend. Claims by exempt funds and similar bodies stiould be made on forms obtainable from Ministère de l'Economie et des Finances, Direction Générale des Impôts, Service des Relations Internationales, 93 rue de Rivoli, 75001 Paris.

Shareholders are recommended to consult their professional advisers if they are in any doubt as to their

8 EXCHANGE CONTROL AND QUOTATION

o EACHANGE CORETROL AND QUOTATION

The shares of C.F.P. era, for timed Kingdom Exchange Control purposes, foreign currency securities as defined in Exchange Control Notice E.C.7 (Second Issue) as amended. Shareholders should inform themselves as to any exchange control requirements affecting them personally in relation to the purchase, holding or sele of any shares of C.F.P. The quotasions for the shares of C.F.P. on The Shock Exchange will be expressed both in sterling and in transactions in starting will be at prices which will include the premium on investment currency and transactions in frames will be at prices which will not include such premium. Transactions will normally be affected for settlement against delivery on the fifth business day after the date of the transaction. The interests of the Directors of C.F.P. and their families as at 21st September, 1973 in the share capital of C.F.P. and its subsidiaries (other their Directors' qualification shares) were as follows:—
(i) Holdings in the share capital of C.F.P.:— 9. DIRECTORS' INTERESTS

Victor de METZ René GRANIER de LILLIA Etienne DALEMONT Richard BAUMGARTNER Wifrid BAUMGARTNER Stéphane DESMARALS Jacques de FOUCHIER Jacques GEORGES-PICO Pierra GUILLAUMAT Emmanuel LAMY André PILLIARD Jeen REYRE	. ,			· ·		1.085	181	455 61: 370 25 150 ,017 563 164 204 375*
(ii) Holdings in the share capit	ale of sub	eidiaries of C	3.E.P. :			. —		239.
	CFR	Omniem Françaisa de Pétroles	TOTAL P (North Am Profesence Shares	erica) Ltd.	CNP	TOTAL Campagnia Française de Dismbs-	Compagnia Françaisa des Pátroles (Gestion	TÕTAL Maaritie
						tron	et	
lictor de METZ René GRANIER de LILLIAC	33 25	Ξ	=	=	· · 60	=	Recherches) 25 —	Ξ
tienne DALEMONT	104	165	100	300	18	_	-	
Richard BAUMGARTNER Stéphane DESMARAIS	25	1 6 000	_	_	_	777 200	_	
Indré PILLIARD All the above holdings are be	236,088 50 neficial).	16,000	Ξ	_=	, -	373,239 —	.=	1,600
D. MAJOR SHAREHO	HDING	S						-

10. MAJOR SHAREHOLDINGS

12. DEALINGS

The French State holds 96,545 "A" shares (95.9 per cent.) and 7.384.290 "B" shares (24.7 per cent.). C.F.P. is not aware of any other shareholdings in excess of 5 per cent. of either class of its share capital. The numbers of the "B" Shares held by the Franch State and which are not listed on the Parts Stock Exchange are 2258667 to 3459864, 4213354 to 4614419, 6122988 to 6925128, 7161416 to 7271735, 7509337 to 7635671, 8259374 to 9685899, 14263686 to 16850391, and 20452272 to 21273059, locksive in each case.

A subsidiary of C.F.P., "TOTAL" Petroleum (North America) Ltd., has, pursuant to employee stock option plans, the following options outstanding:

Date of Grant

Date of Expiry

Mumber of State (1997) nding:—
Date of Expiry
14th January, 1974
18th Merch, 1974
14th January, 1974 13,600 5,400 US \$8.97 30th March, 1976

The "8" sheres of F.50 each of C.F.P., other than those held by the French State, have been listed and traded on the Paris Stock Exchange since 27th June, 1929. They are dealt both in the spot market (cash settlement) and the forward market (account settlement). The high and low quotations on the forward market during the period shown, adjusted for the capitalisation issue, were:

1967 1968 1969 1970 1971 1972

high F.14S.44 F.156.84 F.209.23 F.181.79 F.246.38 F.234.00 low F.110.69 F.125.32 F.142.53 F.143.95 F.147.44 F.187.00 13. COMMISSIONS

56,250

In connection with the issue of sheres referred to in item 4 (i) and the loan issues in items 6, II 1 and 3, C.F.P., and its subsidiaries have granted commissions averaging 2.84 per cent. of the sums raised from the public. 14. MISCELLANEOUS

(i) Save as otherwise disclosed herein:—
(a) Since 21st.September. 1971. (i) no capital of C.F.P. or any of its subsidiaries has been issued other then issues by wholly owned subsidiaries of C.F.P. to C.F.P. or to other wholly owned subsidiaries of C.F.P. nor is any such capital proposed to be issued either for cash or fully or partly paid up otherwise than for cash and (ii) no commissions, discounts, brokerages or other special terms have been granted in connection with the issue or sale of any share or loan capital of C.F.P. or of any company in the YOTAL Group.

(b) No capital of C.F.P. or of any of its subsidiaries is under option or is agreed conditionally or unconditionally to be out under option.

(b) No capital of C.F.P. or or any of its subsidiaries has any lingation or claims of material importance to the TOTAL (c) Neither C.F.P. nor any of its subsidiaries has any lingation or claims of material importance to the TOTAL Group as a whole pending or threstened against it.

(d) There are no contracts to which C.F.P. or any of its subsidiaries is a party and which in the opigion of the Board is a contract of significance in relation to the Group's business and in which the interest of a member of the Road is material.

(e) No member of the Soard has a service contract with C.F.P. or with any of its subsidiaries.

(ii) No material issue of shares (other than pro rate to existing holdings) will be made within one year from the date hereol without the prior approval of C.F.P. In general meeting. No issue which would effectively after the control of C.F.P. or the nature of its business will be made without the prior approval of C.F.P. or general meeting.

(iii) None of the Directors have within the last 2 years had any interests, direct or indirect in any assets which have been acquired or disposed of by or leased to C.F.P. or any of its subsidiaries or are proposed to be acquired or disposed of by or leased to C.F.P. or any of its subsidiaries.

(iv) The exponses of and incidental to this introduction and to the application for the relevant issued "B" shares of C.F.P. to be fisted on The Stock Exchange are estimated at £130,000 and are payable by C.F.P.

(v) A subsidiary of C.F.P. Omnium Français de Pétroles, owns 14 per cert, of the issued share capital of 8angue de Suez (U.K.) Limited which will receive a fee in connection with this introduction.

(vi) Ferdinand Angleys and Hesketh Hardy Hirshfield & Co. have given and have not withdrawn their written consent to the issue of this Document with the inclusion therein of their report in the form and context in which it is included. nber of the Goard has a service contract with C.F.P. or with any of its subsidiaries.

(vii) "Cost Oil" means of made available at a price representing the cost of production and payments due

(viii) "Cost Oit" means oil made available at a price representing the cost of production of the producing country.

(ix) The "B" shares of C.F.P. for which application for fating has been made, are in registered or bearer form at the option of the shareholder. Registered shares may be converted into bearer shares, or vice verse, at the shareholder's request. Transfer of bearer shares is effected by simple delivery. Transfer of registered shares can only be effected by a transfer of the Company register kept for this purpose, under the prescribed legal conditions, at the be effected by a transfer in the Company register kept for this purpose, under the presumed register office.

(x) Copies of each of the following documents will be available for inspection at Banque de Suez (U.K.)
Limited, 54. New Broad Street, London EC2M 1.JL, during usual business hours on any weekday (Saturdays and
public holidays excepted) for a period of 21 days from the publication of this Document:—

(a) the Sys-laws of C.F.P. together with a certified translation, thereof;

(b) the Conventions with the French Street together with certified translations thereof;

(c) the consolidated accounts of C.F.P. and its subsidiary and associated companies for the two years ended

(d) the report of Ferdinand Angleys and Heeketh Hardy Hirshfield & Co., their statements of adjustments, together with their winten consent referred to above:

(e) the material contracts marked *. or memoranda thereof, referred to above and, where applicable, translations (f) letter from Ferdinand Angleys and Hesketh Hardy Hirshfield & Co., confirming that no adjustments have been made to the Accounts already published.

Deted 21st September, 1973.

THE STARE INFORMATION SERVICE

THE STARE INFORMATION SERVICE 42 The Financial Times Monday September 24 1973 BRITISH FUNDS BANKS AND HIRE PURCHASE ENGINEERING AND METAL-Cont. Price Last Yield

20 2710730c 23 3.0 300 2710715c 4.5 2.5 28 636 — — — 745 1270 — — — 160 180 018c — 3.1 E284 27|Q190c 1.0| 4.9.
129 307|Q33c 6 6 15
76 283 Q20 0 7| 6.6
3-6ad 17- [018c 2.5] 3.2
514 27- [040 1926 8.8
122 94 [019c 1.0] 2.8
126 74 C18c 1.0| 2.5
159 9.4|Q18.3c 0.9| 2.7
162 9.4|Q18.3c 0.9| 2.7 AFRICAN

155 | 34 | 014c | 4 | 5.5 |
103 | 243 | 22 | 4 | 8.0 |
17 | 122 | 05 | 23 | 49 |
300 | 44 | 019c | 2.1 | 13.0 |
222 | 46 | 022 | 1.1 |
250 | 186 | 09 | 120 | 9.0 |
180 | 94 | 0112 | 12 | 62 |
178 | 179 | 022 | 4111 |
48 | 167 | 010c | 420.8 |
130 | 27 | 1012 | 23 | 6.9 | 9 26

When it's direct rule for us all

BY C. GORDON TETHER

The Prime Minister caused furore last week by offering what many people held to be conflicting interpretations of his warning that Ulster would face If it refused to toe the Downing Street line on the setting up of an executive for the province. Here is a preview of a speech which Mr. Heath could well be making shortly interpreting his Ulster stand in terms of his European vision.

Concorde to make critical RCA may take over.

"The Leader of the Opposition has been implying that we would be inflicting a great hurt on the people of Victor hurt on the people of Northern Ireland by forcing them to choose between cistion with the Irish Republic

moving towards a closer association with the Irish Republic, and permanent direct rule from Westminster Quite frankly, if these alternatives are considered in relation to my European vision, it immediately becomes apparent that a lot of fuss is being made about nothing.

"We are, as you know, now taking part as full members—in common with the Irish Republic—in building a unified Europe. This is not the place to discuss the detailed arrangements. But suffice it to say that our economic and monetary union plans will have the effect of vesting control over all the main.

THE CONCORDE supersonic air have not been specifically look. The manufacturers on both sides of the Channel are drawing in for contracts on this visit. The manufacturers on both sides of the Channel are drawing in the contract on this visit. The manufacturers on both sides of the Channel are drawing in the channel are drawing in the recent announcement that when it lies non-stop from Dulles they have been drawing up plans show just how far they think when it lies non-stop from Dulles they have been drawing up plans show just how far they think when it lies non-stop from Dulles they have been drawing up plans show just how far they think when it lies non-stop from Dulles they have been drawing up plans show just how far they think when it lies non-stop from Dulles they have been drawing up plans show just how far they think when it lies non-stop from Dulles they have been drawing up plans show just how far they think when it lies non-stop from Dulles they have been drawing up plans show just how far they think when it lies non-stop from Dulles they have been drawing up plans show just how far they think when to leasing the aircraft could Concorde production can be of leasing the aircraft could Concorde who not complex infrastructure of complex such as a capture already to describe the first visit to the U.S. for ments pulling out of Concorde. It is clear that the present rate of production, aimed at rising to side of the flight test programme side vesting control over all the main Reception aspects of members occurate, financial and social lives in Brussels by 1980, Which means that political unification will Reports from the U.S. indicate orders is the main worry, and that Concorde's reception has this could result in the productive Covernments will be obliged been better than its manufaction programme being slowed to reconsider the present producalso, for all practical nurseses, have reached a very advanced stage within our years turers, the British Aircraft Cor- this winter,
poration and Aerospatiale, had As already reported in the
expected, with comparatively few Financial Times, the expected, with comparatively few Financial Times, the two seems likely to be achieved by complaints about noise levels and Ministers, in charge of the pro-pollution gramme, Mr. Michael Heseltine, lines in Filton and Toulouse.

A surrender

"We cannot have it both ways to create the unified Europe of mind by U.S. airlines, who Transport Minister, are due to assembly line entirely are considered for the prepared have so far declined to place meet late in October or early sidered so great that this solution for a far-reaching surrender of property of the aircraft.

November to consider this prob- is virtually certain to be disfor a far-reaching surrender of orders for the aircraft. November to consider the alt our sovereignties. So ask. The manufacturers, bowever, lemof future production. yourselves this agrestion: How much control will be exercised by Elster politicians, Dublin, the proposed Council for Ireland or Landon over the destinies of the Irish people—routh or south of the border Catholic or Protestant -once European unification becomes a fact? The answer is of course, very little—whatever decisions are made now about Ulster's constitutional future.

"How absurd it is then, to itself a democratic facade.

Minister. I have to tell you that in 2 for Wr. Across said yesterday this concept is being condered as out-moded by the onward march of my European vision as the horse-drawn plough was by the horse-drawn plough was by the tractor—and many three faster What togic is there in Irishmen being loyal to Britain when Britain will horself soon be no formed that were drawned than a praying of a Europe of a Europe than a praying of a Europe of a Europe than a praying of the earlier of this world file motions in the in return for which other graver than a praying of the bear to lead to earlier that the world be dropped.

This second phase of the hear ing is not expected to lead to earlier that the proposition of the gaps and to tackle more general issues of campaign be based refrigerated storage and distribution company was more than a pravince of a Euronean empire, having less inde-pendence from B useds than pendence from Bussels than Ulster had from Eduain, in the

Fainthearts

"The loyall; that mailes senfrom now on it loyalt; to the Brussels successing And the score we all come to terms with this fact of our new European life — wherever we happen to live the batter.

Supreme Coust

wan togethermen bie obless.

erform mee As Prime Minister, I have a me im such de carism, theorite orgger the diffict ties the ion eventing the equillanpeople we are leginates en a leigin al malemaffen. o provided the nation to and senie to let me continue use is that we can count to the all conditions are present that gas at home-right. I mis

are at more than the first of the court of t g the Ruder has had Egrope it ment to force a site than but it a multiple of the at sharing Library again quite should also we wise, to speciarable stand- with the or an in Weath name turne r attention to it, and draw in. property contentionals."

THE LEX COLUMN

The new portfolio approach

ment will do for the process with a net p/e reciprocal of 71 and reason a portfolio investment to the status of associated retained earnings tot up to 81 arbitraged against assets but company. A series of arbitrary per cent.

As to equity prices, one can mason d'être of a company and "engroup" reled of 9.9 per cent. companies are stumping up a international oil major (albeit group crude in 1972. where to make the failacies of companies are stumping up a international oil major (albeit group crude in 1972. where to stumping up a international oil major (albeit group crude in 1972. where to stumping up a international oil major (albeit group crude in 1972. where to stumping up a international oil major (albeit group crude in 1972. where it is the stumping up a international oil major (albeit group crude in 1972. where to stumping up a international oil major (albeit group crude in 1972. where it is the stumping up a international oil major (albeit group crude in 1972. where it is the stumping up a international oil major (albeit group crude in 1972. where it is the stumping up a international oil major (albeit group crude in 1972. where it is the stumping up a international oil major (albeit group crude in 1972. where it is international oil major (albeit group crude in 1972. where it is international oil major (albeit group crude in 1972. where it is international oil major (albeit group crude in 1972. where it is international oil major (albeit group crude in 1972. where it is international oil major (albeit group crude in 1972. where it is international oil major (albeit group crude in 1972. where it is international oil major (albeit group crude in 1972. Where it is international oil major (albeit group crude in 1972. Where it is international oil major (albeit group crude in 1972. Where it is international oil major (albeit group crude in 1972. Where it is international oil major (albeit group crude in 1972. Where it is international oil major (albeit group crude in 1972. Where it is international oil majo

market are three factors which this difference is great to-day. given ratio under the new fashion ever since the word possibility.

BY MICHAEL DONNE, AEROSPACE CORRESPONDENT

word for it some time: per-show that an average earnings term in fund management. aps "engroup" and "engroup-yield of 9.9 per cent. compares

the money, on the one hand, and switch to the imputation tax to the smallholder concerned system, and the present de with how much he can get for of the securities market would Stock Exchange has apparently exchange rate adjustments On the other, net worth com-

side of the flight test programme gets under way.

Agnew resists resignation calls

In the meantime, lack of firm Situation

Somebody will have to invent system. The actuaries tables performance became a technical CFP

meant that a trend is likely to only note that current carnings while memories are still fresh, by the French State, CFP is the bottom year for everyone else, BP's or, proportionalely, as only note that current carmings while memories are sun tresh. Slater Walker has made some play, particular instances being play, particular instances being Rockware, Costain and Nairn the latter is discounts on real net worth are Rockware, Costain and Nairn even though the latter is discounts on real net worth are national oil majors, though in many of the Anglo-Saxon majors market. And finally, there are may have the same aim for the s Rockware, Costain and Nairu even though the latter is discounts in real latter is disc

moralisation of the equity his shares, on the other, then seem to be right for a return to accepted CFP's already pub- which would have been treated parisons could have some the idea of long term invest lished consolidations without as exceptional under U.K. relevance, for on strictly book ment. This will change when any qualification. In fact CFP practice. where pro rata consolidation of This leads to the speculation conditions are right for a full was something of a pioneer of Strictly, 20 per cent, holdings is the whether the trend towards blooded bull (or hear) market, consolidated accounts in France historic p/e at Frs. 208 might be to Frs. 290 a share. One w. Midlands, S.W. and norm. The first speaks for itself, "engroupment" heralds a But we have undergone a fullish and has published them since nearer 10 than the apparent 7.7. intriguing side effect of the sale England. Wales, Lakes, 1, of The tax change links in with revival of the concept of invest- scale psychological bear market 1965 (though they were not sub- Even so, the obvious invest- by BP of its Abur Dhaoi stake Dry, sunny spells, rain the state of the equity market, ment for return, which for the since May, 1972: so long as jected to external audit until ment case for CFP—that it has to the Japanese was that the specifically because there is no "engrouper" or the purchaser neither an acceleration in 1971). For analytical purposes, a lower rating than either Shell parallel CFP interest was effected to external audit until ment case for CFP—that it has to the Japanese was that the wind variable light, been specifically because there is no "engrouper" or the purchaser neither an acceleration in 1971). For analytical purposes, a lower rating than either Shell parallel CFP interest was effected to external audit until ment case for CFP—that it has to the Japanese was that the wind variable light, been specifically because there is no "engrouper" or the purchaser neither an acceleration in 1971). For analytical purposes, a lower rating than either Shell parallel CFP interest was effected to external audit until ment case for CFP—that it has to the Japanese was that the wind variable light, been fresh. Max. 16C (61F).

The tax change links in with revival of the concept of invest- scale psychological bear market 1965 (though they were not sub- Even so, the obvious invest- by BP of its Abur Dhaoi stake Dry, sunny spells, rain the state of the equity market, ment for return, which for the since May, 1972: so long as jected to external audit until ment case for CFP—that it has to the Japanese was that the state of the obvious invest- by BP of its Abur Dhaoi stake Dry, sunny spells, rain the state of the obvious invest- by BP of its Abur Dhaoi stake Dry, sunny spells, rain the state of the obvious invest- by BP of its Abur Dhaoi stake Dry, sunny spells, rain the state of the obvious invest- by BP of its Abur Dhaoi stake Dry, sunny spells, rain th adjusted their p/e attitudes to means long term earnings yield, severe recession is in sight, an the accounts from U.K. practice Against that, however, come But these days, politically safe the higher value inherent in a The concept has been out of "investment" market looks a is probably in the treatment of a string of counter arguments, crude is the only kind that can

exceptional and prior year It has a very high exposure to count for much in snare prices.

Oriel Foods

ORIEL FOODS, the group run since early this year by Mr. James Gulliver, former chairman

of Fine Fare supermarkets, may he taken over by the U.S. RCA

The two companies stressed

yesterday that "no agreement

has been reached and that dis cussions to date are exploratory

in nature." It is expected that a decision will not be reached

capitalised at £6.8m., with the

shares at 133p after a 10p rise

After Mr. Gulliver had spen

currently

intil early November.

Oriel, which has

quickly under Mr.

management,

New shares

duce what is an anomalous Gulf-the Middle East as a One by one the top French recent earnings trend for an whole yielded 88 per cent. of We have seen the failacies of companies are stumping up a international oil major (albeit group crude in 1972. While it

Finally, the present context unless it be that the London been up 32 per cent, but, for product prices.

therefore,

items, which has helped to pro- the political problems of the

pectus provides no surprises, first half this year would have crude costs and controlled

figures BP sells at a premium coastal showers. Wind I the whereas CFP's net assets run variable, light. Max. 16C

Reinforced Concrete Design

& Suppliers of Reinforcemen

U.K. TO-DAY

Mainly dry, sunny spells ariable, light, Max. 16C (S.E. England, E. Angli

land, Aberdeen, Moray Fi Dry. sunny spells. variable, light, becoming moderate. Max. 15C (59F)

S.W. Scotland, Glasgow, A N.W. Scotland, N. Irela Cloudy, some rain. Hill Wind moderate, increasing a

Cent. Highlands Dry, sunny spells, beca cloudy, rain later. Wind var light, becoming S. fresh or st

Caithness, Orkney, Sheth Mainly dry, sunny spelis. sariable, light. Max. 12C ()

Outlook: Cloudy, rain at t becoming mainly dry England, Wales and S.E. Scot

HOLIDAY RESORTS

this country and in Europe," and from this was born the idea of a takeover. RCA expressed interest in Oriel's investigations into possibilities on the Continent.

Mr. Gulliver emphasised he would not relinquish his management role with the Oriel organisation if a deal is agreed.

Both he and RCA talked yes adopted for the reconstruction of basic commitment to making the terday of Oriel's executive Northern Ireland.

Slow progress

Party officials maintain that it its efforts can be the basis for is better to muke progress slowly discussion, and the move seems in this way rather than risk the likely to concentrate the minds chances of co-operation by too of the other political parties on basty manoeuvres. The decision formulating in greater detail the to look at policies in detail is a plant they would like to see clear indication of the SDLP's adopted for the reconstruction of basic commitment to making the terday of Oriel's executive work, providing it can

BELFAST, Sept. 23.

BY RHYS DAVID

A SERIES of committees to pre- to miss the opportunity to play pare economic and social policies a significant part in shaping Belfast 19.49. for when the Northern Ireland events in the North if an Executive is established has executive is formed. A leading

government

for role in

SDLP prepares

been set up by the Social and party official told me. "This is Democratic Labour Party, the the first time the minority commain group representing the munity has been able to influence y in the new Assembly. policy, and the first time we have committees cover, among been able to try anything like education, communications. The executive debate will minority in the new Assembly. The committees cover, among tions, the economy and cultural have to proceed on two levels—
matters, and can be seen as who does what job and what bring
further evidence of the party's jobs are to be done—and the Bringal
readiness to take part in policy committees are to make Bringal
Northera Ireland government.

seven years at Fine Fare—a sub-sidiary of Associated British Minority status Assemblymen, party officials three months ago has been a 30 per cent. of Oriel and he and some rank-and-file members cause of concern to the Govern-became chairman and chief have been serving on the comment, and the parties were told executive. New shares have mittees, which have worked in effect by Mr. Heath on his been issued in connection with quietly and without publicity for visit to Belfast last month to Foods—he and associates bought 30 per cent. of Oriel and he became chairman and chief became chairman and chief executive. New shares have been serving on the comment, and the parties were told mittees. Which have worked in effect by Mr. Heath on his quietly and without publicity for visit to Belfast last month to some time. The first reports, stop dragging their feet. Which will represent an expansion of ideas outlined in the parties in clarifying the positions held by the parties likely to enter an executive. For example, over the under half of Oriel. Ralli, now part of Bowater, has a current interest of just under 10 per cent.

Mr. Gulliver said that discussions and Allience have not yet reached the stage of holding and which the Unionists will accept has become clear, and the forward ment, and the parties were told mittees. Which have worked in effect by Mr. Heath on his clause of concern to the Government, and the parties were told mittees, which have worked in effect by Mr. Heath on his clause of concern to the Government, and the parties were told mittees, which have worked in effect by Mr. Heath on his claubility to Belfast last month to guietly and without publicity for visit to Belfast last month to guietly and without publicity for visit to Belfast last month to guietly and without publicity for visit to Belfast last month to discove the control of the formation of clause of charge in effect by Mr. Heath on his cause of concern to the comment, and the parties were told mittees, which have worked in effect by Mr. Heath on his cause of concern to the comment, and the parties were told mittees, which have worked in effect by Mr. Heath on his cause of concern to the comment, and the parties were told mittees, which have been visuable in clarifying the positions held by the parties likely to enter an executive. For example, over the question of policing, the degree of change which the SDLP wants with the parties were told.

yet reached the stage or noticing accept has become clear, and the formal meetings to make the slow slow RCA started a few necessary arrangements—the weeks ago. Initially, the two SDLP will emerge with a sides discussed "opportunities in minority of the seats, and so this country and in Europe," and will not be in a position to push the idea of a lits policies through.

yet reached the stage or noticing accept has become clear, and the gulf between the parties has Alactic Barcelona Bickers Barcelona Richard Southern the idea of a lits policies through.

terday of Oriel's executive Northern Ireland.

strength. Apart from Mr. The SDLP's attitude would be formed on terms acceptable to Gulliver, this includes Mr. appear to be that it is not going the minority.

Alistair Grant, formerly Fine

Mainly dry, sunny spells,

to gale. Max. 14C (57F).

Max. 14C (57F).

Lighting-up: London 1 Manchester 19.34. Glasgow 1

BUSINESS CENTRES Mid-day
P. 17 55 Manchstr.
F. 37 51 Melhograe
S. 33 53 Melhograe
S. 33 53 Melhograe
S. 33 53 Melhograe
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C. 17 58 Melhograe
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C. 18 57 Meg-castle
C. 19 58 Meg-castle
C. 19 59 Meg-castle
C. 19 The very slow progress made 3 Aires by the parties in coming to Caim gether since the elections nearly Gridge

life — wherever we happen to live—the belief.

"Fainthearts will tell you may trying to turn Europe into end big nappy family, whether live peoples want it or not wen work. They point to the fact the Committee of 20 sets July deadline 82.2 43 to security are to dinustry foundations on the tags if Flemish-Wellum 1, recent that here is greening content houseout the Conduction about acial strife are at transition for plan in the plan in the control of the control and hat in our Err, connects the control of elves, the high ideal, of Lann the meach is he than man

countries of Twenty here rela-very optimistically, even Progress
South they had conspicuously aved to make any progress on of Indonesia, chairman of the or many fetter While the Winisters have name a report listing the main with to inject a new political areas of agreement and dissent with their flagging dis- and the principal options before stop, on the eve of the annual the members that will form "If meeting it is clear they the basis for the committee's e tricing to construct,

nortray direct rule of Ulster from London—or Dublin for that matter—as an anotherms when is continuing to resist the strong up that both the President and to have insisted, during his all of us will again the subject of pressures on him to resign, and Vice-President will be the objects private meeting with President direct rule from Brussels and is planning to challenge on con- of simultaneous efforts by Nixon last Thursday, that the any Purliamentary relifies it stitutional grounds the Federal prosecutors to make them leaks, attributed to Mr. Meiving the president of the president's chief BY ADRIAN DICKS

as court battle looms

"And in case the Ulster people should abject to that on the strong and complex court the latest development in Mr. Leonard Garment, who succeeded sprounds that they have not been consulted about a let ine cemind them that the rest of the British people have not been consulted about a let in the British people have not been consulted about a let in the British people have not been consulted about a let in the British people have not been consulted about a let in the British people have not been consulted about a let in the British people have not been consulted about a let in the British people have not been consulted its public hearings to-morrow. Richardson, the Attorney-General, from Mr. E. Howard Hunt, the latest development in Mr. Leonard Garment, who succeeded Mr. John Dean as the President's legal counsel, be stopped.

The latest development in Mr. Leonard Garment, who succeeded Mr. John Dean as the President's legal counsel, be stopped.

The watergate hearings resume to morrow with testimony its public hearings to-morrow. Richardson, the Attorney-General, from Mr. E. Howard Hunt, the locked with the appeals area. As I have often said, it with President Nixon still dead. According to the Washington former CIA man who took part the Government to take locked with the special prose- Post, the object of the Justice in and devised some of the is for the Government to take the decisions than are necessary in the national interest.

"We had much about Uister's loyalty to Britain as Prime Minister. I have be tell you that this concept is being rendered as the world file matters, and yesterday but the conversations and process of the President's to let the grand jury hear the White House and by the conversations about Watergate evidence against Mr. Agnew, was mittee to re-elect the President which is concept is being rendered as the would file matters in the in return for which other graver.

This second phase of the hear-ing the decisions than any totok part the decisions than any decised some of the file object of the Justice in and devised some of the House and by the conversations about Watergate evidence against Mr. Agnew, was mittee to re-elect the President that he should resign in order to as well as in the Watergate burship to the president of the president and the special prose. Post, the object of the Justice in and devised some of the House and by the Community hear the which is prepared white House and by the Community hear the white House and by the Community hear the white House and by the Community hear that he should resign in order to as well as in the Watergate burship hear that he should resign in order to a serious file of the House and by the Community hear that he should resign in order to a serious file of the House and by the Community hear the white House and by the Community hear the white House and by the Community hear the whole of the House and by the Community hear the white House and by the Community hear the whole of the House and the H

House officials eager to see him appeal.

WASHINGTON, Sept. 23.

creates in Strasbourn to give Investigation against him, accord- co-operate with normal criminal Laird, the President's chief itself a democratic facade. In the President's chief investigations. domestic affairs adviser, and Mr.

to reconsider the present produc-tion situation. The slow-down

the tion situation. The slow-down two seems likely to be achieved by

inness figure before and corruntion in Maryland during his term
as Covernor

One motion would claim that
of ordered and removed from
before by Congress. Lawyers believe no final decision could be received on this unprecedented case has been prejudiced by President, or else wasting time
of the point of the point short of the suppression of the suppress

Turnover

Three acquisitions have been made since Mr. Gulliver moved in: A. B. Gibson, a Nottingham grocery business, was bought in

Fare's marketing director, and Mr. David Webster, who came from William Brandt's, the merchant bank which put to-gether the original Gulliver deal.

Planned accomplishment

Fairview is now one of the foremost Property Development Companies in the residential sector and is making an ever increasing contribution towards much needed housing in London and the South-East, Demand is constant and we're confident our planned growth in this sphere will continue.

We've also been broadening our property activities in the Industrial and commercial fields. This division has expanded to accord with a planned policy and now has a development programme involving over 1.7 million sq. ft. of industrial and commercial space. When completed, the investment value will be in excess of twenty two million pounds.

The premier locations and quality of our premises have produced lettings at a buoyant level to many public companies. The resulting investments have been and, will continue to be retained in our property portfolio.

We have the people and the finance to maintain this record of continued expansion and achievement. If you have any projects which will further assist, including the acquisition on a cash or share basis of companies with property assets or a property portfolio, please contact Ken Oliver in the industrial and commercial field, or John Cousins in the residential sector

Introducing parties willingly retained, as has always been the custom of the Company. Fairview Estates Limited, Enlield, Middlesek. Telephone: 01-366 1271.



Twenty, will present in his own

the first the moment as work in the coming months, evidence of the determination of the new system they meet again next January and Stronger again in June before their final its ing the next 10 months, session in July, which may well. Having failed to get far on Shultz said he hoped parts of the plan an accelerated work turn into marathon bargaining either topic so far, the Twenty agreement might be brought regulation, for themselves and talks covering all aspects of the are anxious to broaden their disir deputies designed to reform package.

Ministers to-day sought to give their attention from the vexed amount achieved so far and the payments should also be a new sense of political urgency diestions of exchange-rate many unresolved disagreements, stronger, which may reduce agreeing to make July 31 next to-day on which the U.S. is still at ally with many of the principal the dollar become convertible to their dodding for agree to the u.S. again. The GATT trade talks their dodding for agree the dodding for agree to the understood of the principal the dollar become convertible to the understood of the un

collectively endorsed a time-timit lasting agreement might be for a full agreement. In attempt difficult, until common measures ing to observe it, it is also clear have also been devised for dealthey are changing the negotiat-ing with the oil-producing ing strategy they have followed nations surplus currency hold so far in their reform discussions. ings.

outline agreement on new ex- ment next summer, it will take change rate rules and restoring some time to translate this into convertibility to the dollar as a legal text for adoption by the evidence of the Committee's IMF Board, while parliamentary determination to succeed. ratification may require a fur-

cussions to take in other neg- formalities had been completed. in deputies designed to reform package.

cussions to take in other negative than talks to cover. This morning Mr. George lected aspects of the reform Shultz, U.S. Treasury Secretary, which would pave the way for a totations, in preparation for said the decision to adopt a dead-comprehensive package agreeand agreement by next Sum-line showed some progress, ment on the whole system next deadline. despite the impatience many summer.

NAIROBI, Sept. 23.

ment on the main lines of a new on other matters such as the role effort to speed the reform talks. This morning, however, Dr This morning, however, Dr. and status of the Special This is the first time Ministers Jelle Zijlstra, Dutch Central This, were able to wind up Drawing Right (SDR) as the of the Twenty have formally and Bank Governor, suggested any collectively endorsed a time-timit lasting agreement.

> A number of countries had Even if Ministers succeed in originally pushed for an early tying up a new monetary agree ther year or so.

However, this morning, Mr.

Editorial comment and Men and Matters, Page 13 Kenya claims £7.5m, bill. Page 27